



EPA

United States Environmental Protection Agency Washington, D.C. 20460
Water Compliance Inspection Report Form Approved.
OMB No. 2040-0057
Approval expires 8-31-08

Section A: National Data System Coding (i.e., PCS)

Transaction Code		NPDES						yr/mo/day				Inspection Type			Inspector Fac Type									
1	N	2	5	3	P	R	R	0	4	0	3	6	11	12	1	2	0	2	1	6	17	18	19	R202
Remarks																								
21																					66			
Inspection Work Days			Facility Self-Monitoring Evaluation Rating						B1	QA	-----Reserved-----													
67	1	69	70	U	71		72		73747580															

Section B: Facility Data

Name and Location of Facility Inspected (for industrial users discharging to POTW, also include POTW name and NPDES permit number)	Entry Time/Date	Permit Effective Date
Municipality of San Juan MS4 (Quebrada Juan Mendez and DNER Baldorioty de Castro Drainage) P.O. Box 9024100 San Juan, Puerto Rico 00902-4100	10/19/2010, 13:00	12/1/05
	Exit Time/Date	Permit Expiration Date
	10/22/10, 18:30	11/30/10
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)	Other Facility Data	
Not Contacted - San Juan MS4 Eng. Maria Matos: MMATOS01@SanJuanCapital.com Executive Director Tel. No. (787) 480-2253 Environmental Affairs Program	Jose F. Ortiz Velazquez, Executive President Puerto Rico Aqueduct and Sewer Authority (PRASA) Puerto Nuevo Regional WWTP P.O. Box 7066 Barrio Obrero Station Santurce, Puerto Rico 00916 NPDES Permit No. PR0021555	
Name, Address of Responsible Official/Title/Phone and Fax Number(s)	Contacted	
Honorable Jorge Santini, Mayor Autonomous Municipality of San Juan P.O. Box 9024100 San Juan, Puerto Rico 00902-4100	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Section C: Areas Evaluated During Inspection (*Check only those areas evaluated*)

	Permit	Flow Measurement	Operations & Maintenance CSO/SSO (Sewer Overflow)
	Records/Reports	Self-Monitoring Program	Sludge Handling/Disposal Pollution Prevention
X	Facility Site Review	Compliance Schedules	Pretreatment Multimedia
X	Effluent/Receiving Water	Laboratory	Storm Water

Section D: Summary of Findings/Comments (Attach additional sheets of narrative and checklists as necessary)

See Enclosed Report
SEV Code A0020 WW SSO - Discharge to Waters

Name(s) and Signature(s) of Inspector(s) Murray Lantner, P.E. Environmental Engineer Alex Rivera, Env. Eng. CEPD	Agency/Office/Phone and Fax Numbers Date EPA Region 2 WCB/(212) 637-3976/ FAX: 637-4211 EPA-CEPD - 787-977-5845
Signature of Management Q A Reviewer Jaime Geliga, Chief, CEPD-MWPB	Agency/Office/Phone and Fax Numbers Date EPA Region 2, CEPD MWPB 787-977-5840 (ph)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2, DECA-WCB
20th Floor, 290 Broadway, NY, NY 10007

AND

USEPA Region 2, CEPD-MWPB
CITY VIEW PLAZA II – SUITE 7000
#48 RD. 165 km 1.2
GUAYNABO, PR 00968-8069

Reconnaissance Inspection: Municipality of San Juan Municipal Separate Storm Sewer System (“MS4”) Permit (PRR040036)

PRASA Puerto Nuevo Wastewater Treatment Plant Collection System (PR0021555)

Inspection Date: February 16, 2012

Inspectors: Murray Lantner, P.E. Env. Eng. USEPA Region 2, DECA-WCB, (212) 637-3976
Alex Rivera, Env. Eng. EPA Region 2 CEPD-MWPB (787) 977-5858

ML 3/2/12

A. Introduction

On February 16, 2012 Murray Lantner and Alex Rivera of EPA Region 2 conducted a Reconnaissance Inspection of several outfalls along Quebrada Juan Méndez as well as specific manholes and catch basins in the Loíza and Villa Palmeras neighborhoods of San Juan. The majority of the points inspected were identified by the Municipality of San Juan’s contractor CSA in 2009 as part of a flood control study. EPA revisited the points identified below to ascertain their current status and whether dry weather discharges were still occurring.

EPA conducted field screening of grab samples using Hach Ammonia Test Strips Cat. 27553-25 (range from 0-6 mg/l) and pH paper range 4.5 to 10.5 S.U. Note that these are not 40 CFR Part 136 approved methods, but are useful for field screening of outfalls. Ammonia has been used as a screening tool by some MS4s with severe or widespread sewage contamination. An ammonia concentration over 1 mg/l is generally considered to be a positive indicator for sewage contamination. Although some limitations have been identified, such as not detecting diluted sewage or elevated ammonia due to non-target sources such as irrigation, it does serve as a valuable screening tool (Section 12, P. 132 and 133 of the 2004 IDDE Manual

<http://cfpub1.epa.gov/npdes/stormwater/idde.cfm>). The grab samples were taken using a rope attached to a plastic container to collect the discharge directly from the outfall pipes, without also collecting any receiving water in the sample.

Below is a summary of our findings from the inspection. There was no rainfall during the inspection period from 9AM to 2PM on February 16, 2012. But there was a 0.05" rainfall reported for February 16th 2012 and a 0.13" rainfall on February 15th 2012 recorded at the San Juan Luis Muñoz Marín International Airport (Rainfall data for February 2012 included in Attachment 2)

B. QUEBRADA JUAN MÉNDEZ - POTENTIAL NON-COMPLIANCE OR AREAS OF CONCERN

1. Calle Vergel and Calle Alcaniz - As shown in photograph P2160200 ("200") through 202 there is garbage and debris in Quebrada Juan Méndez that should be removed. The inspectors did not hear or see a dry weather discharge at this location. However, as described in attachment 3a-1, the 2009 CSA report identified a 24" outfall at this location, CSA No. L12c-S001a with a suspected sewage flow. Bubbles associated with anaerobic decay were seen rising to the surface in the Quebrada.
2. Quebrada Juan Méndez and Calle Sicilia (Oriente) facing south upstream. As shown in photograph 203 there was a dry weather discharge from the circular pipe with a flapper valve that was seen on the east side of the Quebrada. (See Attachment 3a-2 for sanitary and storm sewer maps of this area).
3. Calle América and Ramal Quebrada Juan Méndez (facing north side of bridge) (East of Barbosa Ave – Adjacent to Fire Station) – K13b-S002a. As shown in photograph 206 in Attachment 1 and the 2009 CSA report (Attachment 3b), there is a double box culvert with a dry weather flow that appears to contain sewage. There was some foaming in the Quebrada at the discharge point. EPA took a grab sample which had a slight sewage odor, and had an ammonia concentration of 3 mg/l and a pH of 6.5 to 7.0. While the ammonia test was not done with a 40 CFR Part 136 approved method, the 3 mg/l is an indicator that sewage is present.

The firemen at the station said that approximately 2 weeks prior to this inspection there was a fish kill in the Quebrada.. The firemen said that approximately 20 fairly large fish were seen dead in the Quebrada near the fire station and that representatives from the Puerto Rico Department of Natural and Environmental Resources conducted an investigation.

4. Calle Cruz (below the bridge) and Quebrada Juan Méndez - L15c-S001a Oriente/Valencia - As shown in photographs 209 and 210 there was flow from the Calle Cruz box sewer (6' X 3') below the bridge on Calle Cruz, at the west bank of the Quebrada Juan Méndez. As described in the 2009 CSA reports, Attachment 3c, this location was thought to be discharging sewage. EPA took a field sample and ammonia levels were approximately 0.25 mg/l and the pH was 6.5 to 7.0. The sample

did not have a sewage odor; however the Quebrada Juan Méndez did have a sewage odor at this location (see photos 208, 211, and 212). MSJ and PRASA must conduct further review of this outfall to determine the source(s) of the flow.

5. Jesus T. Piñero and Quebrada Juan Méndez (PR-17) and Quebrada Juan Méndez L16a-S001a (below bridge)

EPA viewed Quebrada Juan Méndez from the South side of the Jesús T. Piñero Bridge, but could not see the outfall pipe below the bridge. However as described in the 2009 CSA Reports (See Attachment 3d) the discharge from a 30" circular sewer, was noted as possibly containing sanitary wastewater. Further review of this outfall to determine its current dry weather discharge status and any ongoing source(s) of dry weather flow.

6. Calle Ariel and Quebrada Juan Méndez (Río Piedras)

As shown in photograph 213 there was a significant flow from a rectangular channel on the west side of Quebrada Juan Méndez across from Calle Ariel. The source of this flow as well as the water quality (and whether it contains authorized or illicit discharges), and ownership information, must be assessed. A map of the San Juan MS4 and PRASA Sanitary System is shown in Attachment 3e.

7. Calle Ramon B. López and Quebrada Juan Méndez – L17a-S001a

As shown in photographs 215 there was a dry weather discharge from this outfall. EPA was not able to obtain a sample of this discharge. As described in the CSA reports, attachment 3f, CSA recommended that this discharge be assessed for possible sanitary connections. As shown in photograph 216 it appears that the concrete channel walls had collapsed into the Quebrada. The collapsed walls can restrict flow in the Quebrada as well as lead to erosion of the banks.

8. Calle Lealtad and José De Diego (PR-47) Just East of East Branch of Quebrada Juan Méndez, Río Piedras PR (Also East of Calle Alomar) – As shown in photographs 218, 220, 220, 223, and 225 water was flowing out of the street, just adjacent to the surcharged sanitary sewer manhole (which was full of wastewater, nearly, up to the top of the manhole) as shown in photograph 228. Sanitary and Storm Sewer maps for this location are contained in attachment 3g. The water flowing out of the street had a strong sewage odor and had an ammonia level (using ammonia strips) of at least 6 mg/l (another indicator of sewage). The sewage flowed for approximately 5 feet on the street and then flowed into a storm water catch basin, that leads to the Quebrada Juan Méndez (East Branch) about 30 feet away. EPA poured dye powder into the sewage flow as it entered the stormwater catch basin and within minutes the dye came out in Quebrada Juan Méndez (See Photos 218, 219 and 230-235). Proving that the sewage was discharging into the Quebrada Juan Méndez via a stormwater outfall.

The sewage flowing on the street is within 500 feet of a hospital and a school and is adjacent to a grocery store and poses a health risk to pedestrians in the area. People that we spoke to in the area said that this overflow has been occurring for twenty years and has not been abated. EPA Region 2 CEPD followed up with PRASA after

the inspection. PRASA reported that the discharge had been abated. PRASA must provide a summary of the cause of the problem, what was done to correct it and what is being done to avoid recurrence of this problem.

9. José De Diego Ave. (PR-47) and West Branch of Quebrada Juan Méndez (Southwest corner of bridge) – As shown in photographs 236 to 239 there was a dry weather flow entering the Quebrada Juan Méndez West Branch. (Samples were not taken) The source and characteristics of this flow should be determined and corrective actions taken as needed.

C. LOIZA/VILLA PALMERAS – POTENTIAL NON COMPLIANCE ITEMS OR AREAS OF CONCERN

1. Calle Castro Viña northwest corner of the North Marginal Road of the Baldorioty de Castro Expressway (PR-26) – Manhole J6c-S008 – The 2009 CSA report see Attachment 4a identified the 48" storm sewer as being combined with sewage. EPA took a grab sample of the flowing water in this sewer and using ammonia strips detected an ammonia concentration between 1 and 3 mg/l and a pH between 6 and 7 (both not approved 40 CFR Part 136 methods). Based on MSJ MS4 sewer maps this storm sewer flows east into the DNER Baldorioty de Castro Pump Station that discharges directly to the Los Corozos Lagoon without treatment.
2. K7a-S039a Villa Palmeras – Calle Henna, Calle Amparo – As shown in attachment 4b, the 2009 CSA report identified this catch basin as being connected into the sanitary sewer system. Based on EPA's inspection there did not appear to be a storm sewer in this area, nor is there a storm sewer shown on MSJ's MS4 map, but PRASA's map does contain a sanitary sewer in this area. As shown in EPA photographs 243 to 247, the storm inlet still exists, but is partially covered with a piece of wood, that would allow stormwater to enter the catch basin and flow into the sanitary sewer.

D. ATTACHMENTS

1. Photograph Log and Photographs
2. February 2012 precipitation data at San Juan Luis Muñoz Marín Int. Airport
3. 2009 CSA Report Information for Outfalls and Locations visited in Quebrada Juan Méndez and Storm and Sanitary Maps for points visited.
4. 2009 CSA Report Information for Loíza and Villa Palmeras manholed/catch basins visited and Storm Sewer and Sanitary Sewer Maps for Loíza and Villa Palmeras manholes/catch basins visited

**ATTACHMENT 1 - Photographs, Municipality of San Juan/PRASA (Storm Sewers/Sanitary Sewers)
Reconnaissance Inspection, February 16, 2012,
Taken by Murray Lantner, P.E., Env. Eng., USEPA Region 2; Olympus Stylus 720SW Digital Camera**

Photo ID No.	Photo Description
P2160200	Quebrada Juan Méndez - Calle Alcaniz and Calle Vergel, Oriente/San José - Region 2 - L12c - S001a and 002a facing downstream (north) - Garbage seen in Quebrada Juan Méndez
P2160201	Quebrada Juan Méndez - Calle Alcaniz and Calle Vergel, Oriente/San José - Region 2 - L12c - S001a and 002a facing downstream (north) - Outfall seen on left side of photo, no apparent flow from the partially submerged outfall
P2160202	Quebrada Juan Méndez - Calle Alcaniz and Calle Vergel, Oriente/San José - Region 2 - L12c - S001a and 002a facing downstream - Garbage seen in Quebrada Juan Méndez
P2160203	Quebrada Juan Méndez and Calle Sicilia (Oriente) facing south upstream. A discharge from the circular pipe with a flapper valve was seen on the east side of the Quebrada
P2160204	Quebrada Juan Méndez and Calle Sicilia (Oriente) facing south upstream. A discharge from the circular pipe with a flapper valve was seen on the east side of the Quebrada
P2160205	Ramal Quebrada Juan Méndez (Quebrada San José - western branch of the Quebrada) K13b-S002a, Oriente/San José, Calle América double box culvert discharging below/adjacent to the fire station into the Quebrada. Outfall is on northeast (downstream end of the Calle América bridge) 1 block east from Barbosa Ave. PR-27)
P2160206	Ramal Quebrada Juan Méndez (Quebrada San José - western branch of the Quebrada) K13b-S002a, Oriente/San José, Calle América double box culvert discharge below/adjacent to the fire station into the Quebrada. Outfall is on northeast (downstream end of the Calle América bridge) 1 block east from Barbosa Ave. PR-27)
P2160207	Ramal Quebrada Juan Méndez (Quebrada San José) K13b Oriente/San José, Calle América - discharge pipe near the fire station into the Quebrada. Outfall is north (downstream end of the Calle América bridge).
P2160208	Quebrada Juan Méndez, L15c Oriente/Valencia, from bridge at Calle Cruz looking north downstream at a falls or drop in the Quebrada.
P2160209	Quebrada Juan Méndez, L15c-S001a Oriente/Valencia, below the bridge on Calle Cruz, at the west bank of the Quebrada, discharge from box culvert (6' x 3') into the Quebrada Juan Méndez.
P2160210	Quebrada Juan Méndez, L15c-001a Oriente/Valencia, below the bridge on Calle Cruz, at the west bank of the Quebrada, discharge from box culvert (6' x 3') into the Quebrada Juan Méndez.
P2160211	Quebrada Juan Méndez, L15c Oriente/Valencia, below the bridge on Calle Cruz looking downstream in the Quebrada.
P2160212	Quebrada Juan Méndez, L15c Oriente/Valencia, below the bridge on Calle Cruz looking upstream in the Quebrada.
P2160213	Flow from Concrete Channel entering the Quebrada Juan Méndez on the west side of the Quebrada across the channel from Calle Ariel (about 3 blocks south of Jésus T. Pinero PR-17) (Rio Piedras area).
P2160214	Photo of Quebrada Juan Méndez taken from Calle Ariel looking upstream.
P2160215	Calle Ramón B. López and Quebrada Juan Méndez L17a_S001a facing south (upstream) outfall discharging on west side of creek.

P2160216	Calle Ramón B. López and Quebrada Juan Méndez L17a_S001a the channel walls of the Quebrada have collapsed into the stream.
P2160217	Calle Ramón B. López and Quebrada Juan Méndez L17a_S001a facing south (upstream) outfall discharging on west side of creek.
P2160218	Discharge point at Calle Lealtad and José De Diego into west branch of Quebrada Juan Méndez - Discharge point flows from Stormwater Catch Basin - There was a dry weather discharge of sewage that was flowing onto the street and entering the catch basin.
P2160219	Discharge point at Calle Lealtad and José De Diego into west branch of Quebrada Juan Méndez - Discharge point flows from Stormwater Catch Basin - There was a dry weather discharge of sewage that was flowing onto the street and entering the catch basin.
P2160220	Sewage flowing out of Lealtad street/near Ave. José De Diego and into a stormwater catch basin which flows to Quebrada Juan Méndez - approx 30' away.
P2160221	Photo of sample jug and rope.
P2160222	Sewage flowing out of Lealtad street/near Ave. José De Diego and into a stormwater catch basin which flows to Quebrada Juan Méndez - approx 30' away.
P2160223	Sewage flowing out of Lealtad street/near Ave. José De Diego and into a stormwater catch basin which flows to Quebrada Juan Méndez - approx 30' away.
P2160224	Photo of sign stating "Bienvenidos Urbanización Victoria" at Calle Lealtad across the street from where sewage was flowing out of the street and into stormwater catch basin.
P2160225	Sewage flowing out of Lealtad street/near Ave. José De Diego and into a stormwater catch basin which flows to East Branch of Quebrada Juan Méndez - approx 30' away.
P2160226	NO DESCRIPTION
P2160227	Grocery store with pool table adjacent to the area where sewage is flowing into stormwater catch basin at Lealtad and José De Diego.
P2160228	Sanitary sewer manhole at Calle Lealtad and José de Diego is surcharged the wastewater is near the rim of the manhole.
P2160229	Grocery store with pool table adjacent to the area where sewage is flowing into stormwater catch basin at Lealtad and José De Diego.
P2160230	Green dye that was placed in the sewage flow entering the stormwater catch basin is flowing out of the outfall and entering East Branch of Quebrada Juan Méndez at Calle Lealtad and José De Diego.
P2160231	Green dye that was placed in the sewage flow entering the stormwater catch basin is flowing out of the outfall and entering East Branch of Quebrada Juan Méndez at Calle Lealtad and José De Diego.
P2160232	Green dye that was placed in the sewage flow entering the stormwater catch basin is flowing out of the outfall and entering East Branch of Quebrada Juan Méndez at Calle Lealtad and José De Diego
P2160233	Green dye that was placed in the sewage flow entering the stormwater catch basin is flowing out of the outfall and entering East Branch of Quebrada Juan Méndez at Calle Lealtad and José De Diego
P2160234	Green dye that was placed in the sewage flow entering the stormwater catch basin is flowing out of the outfall and entering East Branch of Quebrada Juan Méndez at Calle Lealtad and José De Diego

P2160235	Green dye that was placed in the sewage flow entering the stormwater catch basin is flowing out of the outfall and entering East Branch of Quebrada Juan Méndez at Calle Lealtad and José De Diego
P2160236	Dry weather flow from outfall into the west branch of Quebrada Juan Méndez seen from southwest corner of the José De Diego Ave. bridge over the west branch of Quebrada Juan Méndez
P2160237	Dry weather flow from outfall into the west branch of Quebrada Juan Méndez seen from southwest corner of the José De Diego Ave. bridge over the west branch of Quebrada Juan Méndez
P2160238	José De Diego Ave. and West Branch of Quebrada Juan Méndez
P2160239	José De Diego Ave. and West Branch of Quebrada Juan Méndez
P2160240	Calle Castro Viña (west side of street) on sidewalk on the north side of the Route 26/Baldorioty de Castro Exp. Marginal road. Manhole J6c-S008 - there was flow in the sewer and ammonia strip and pH paper was used.
P2160241	Calle Castro Viña looking east towards the pedestrian bridge (on north side of Route 26 Baldorioty de Castro Expressway).
P2160242	Calle Castro Viña (west side of street) on sidewalk on the north side of the Route 26/Baldorioty de Castro Exp. Marginal road. Manhole J6c-S008.
P2160243	Stormwater manhole on Calle Castro Viña - J6c-S005 in front of House No. 159, appeared to have sediment accumulation.
P2160244	K7a_S039A - Calle Henna at Calle Amparo just west of Calle Nuñez Prieto - appears that a stormwater catch basin is connected into the sanitary sewer.
P2160245	K7a_S039A - Calle Henna at Calle Amparo just west of Calle Nuñez Prieto - appears that a stormwater catch basin is connected into the sanitary sewer.
P2160246	K7a_S039A - Calle Henna at Calle Amparo just west of Calle Nuñez Prieto - appears that a stormwater catch basin is connected into the sanitary sewer.
P2160247	K7a_S039A - Calle Henna at Calle Amparo just west of Calle Nuñez Prieto - appears that a stormwater catch basin is connected into the sanitary sewer.

* Note that photo times on the photograph files are 1 hour earlier than the actual time in Puerto Rico (the camera was set to Eastern Standard (NYC) Time, not Atlantic Standard (Puerto Rico) Time



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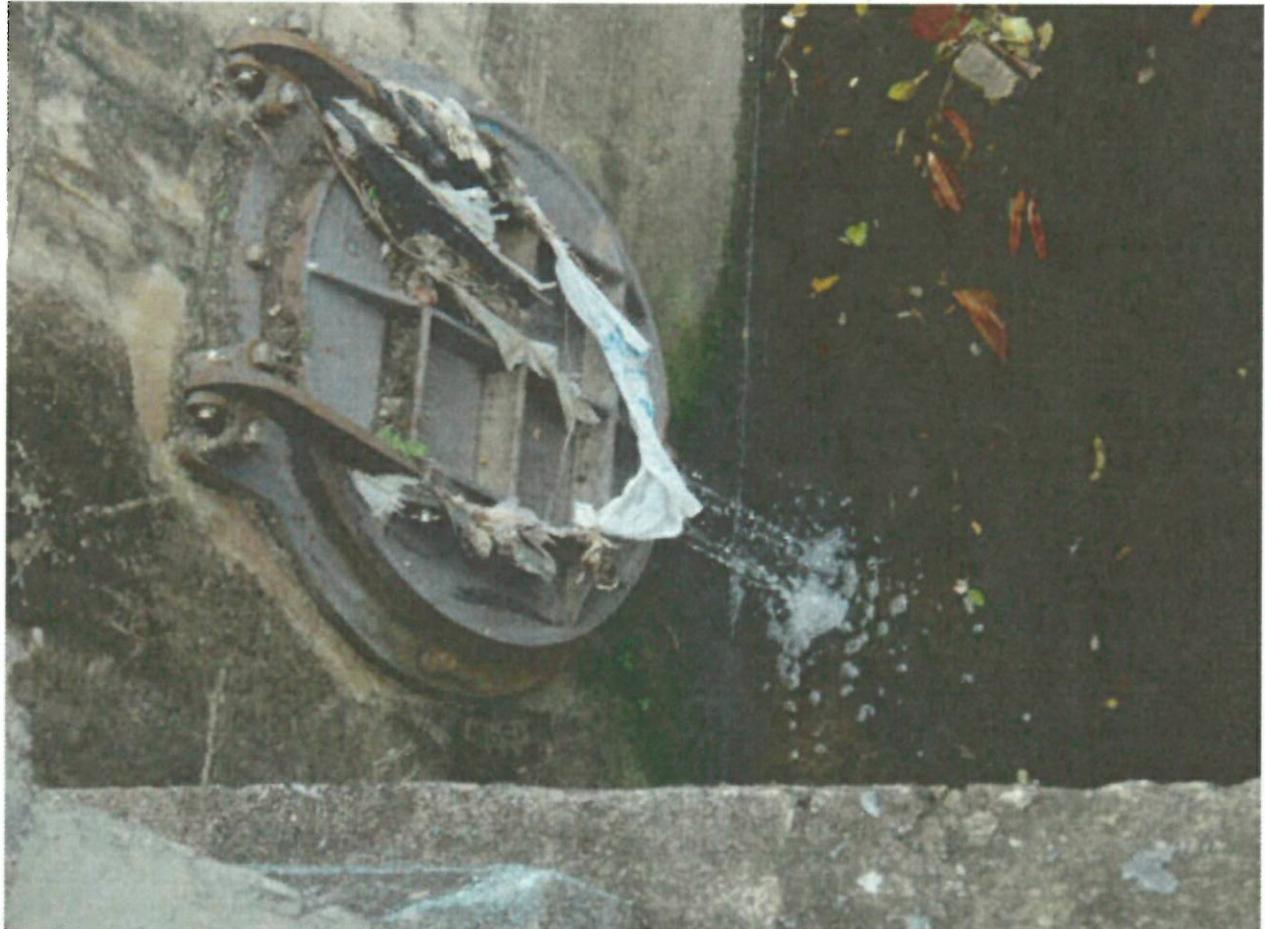


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Taken by M. Lantner, EPA Region 2, WCB



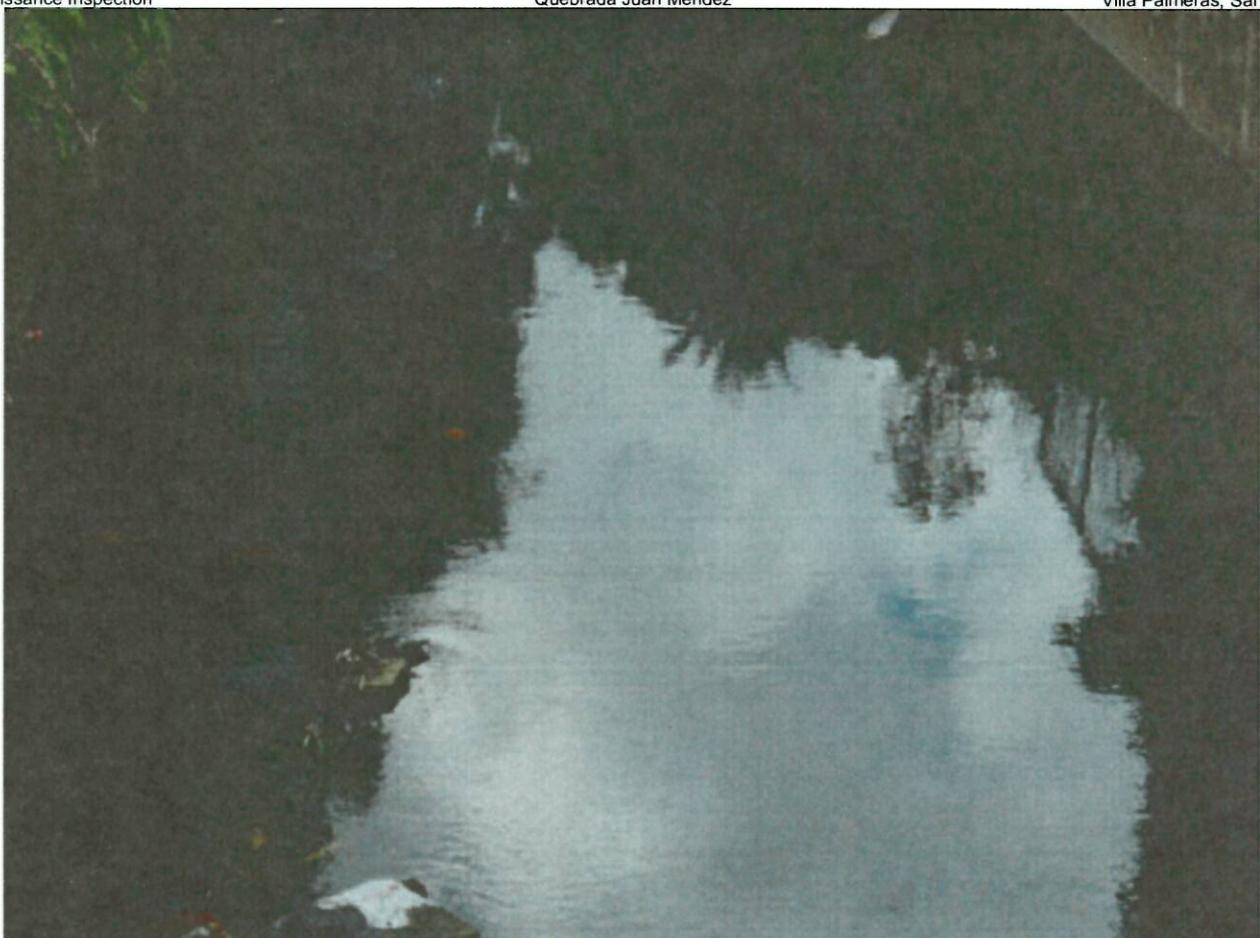
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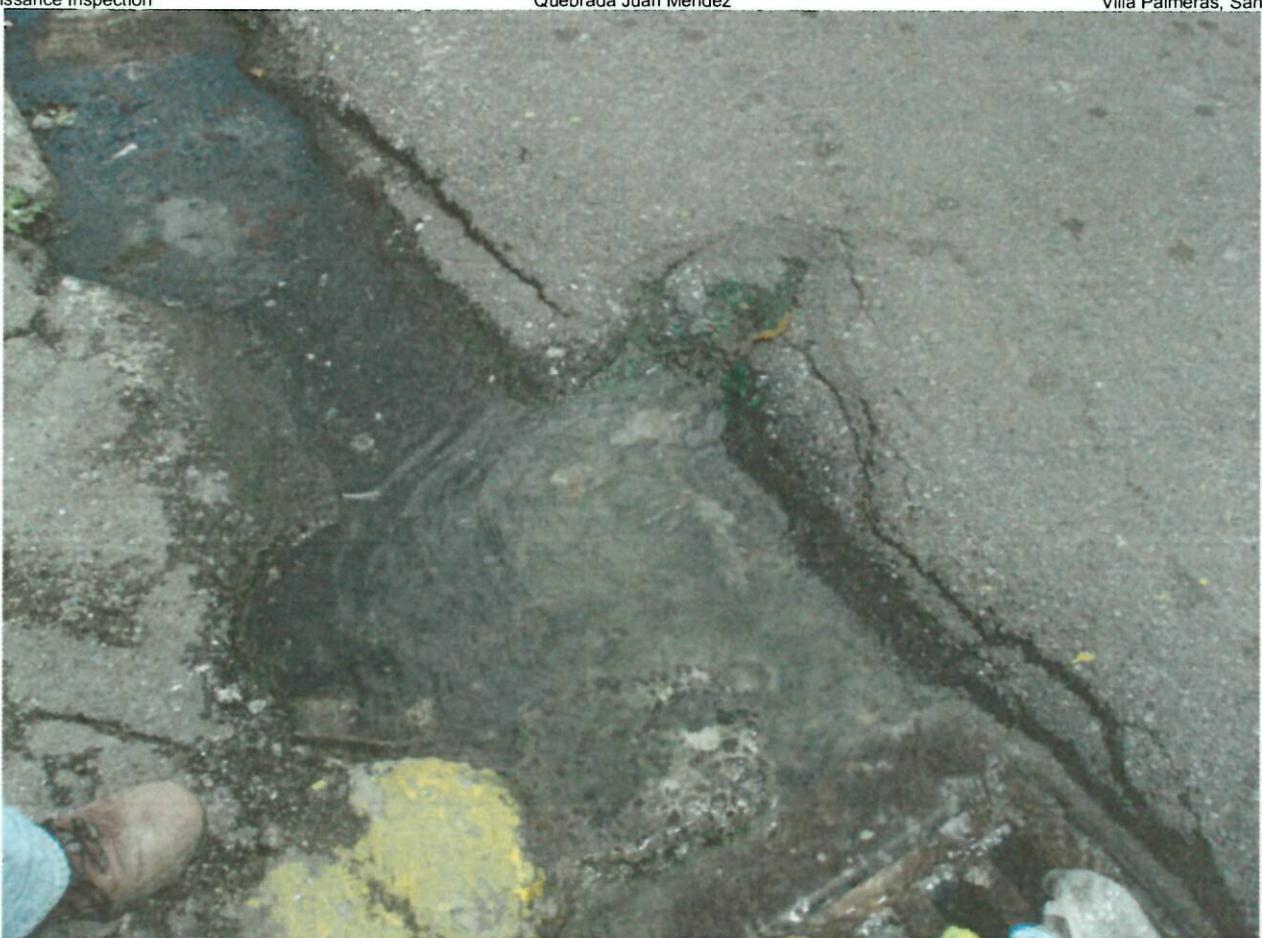
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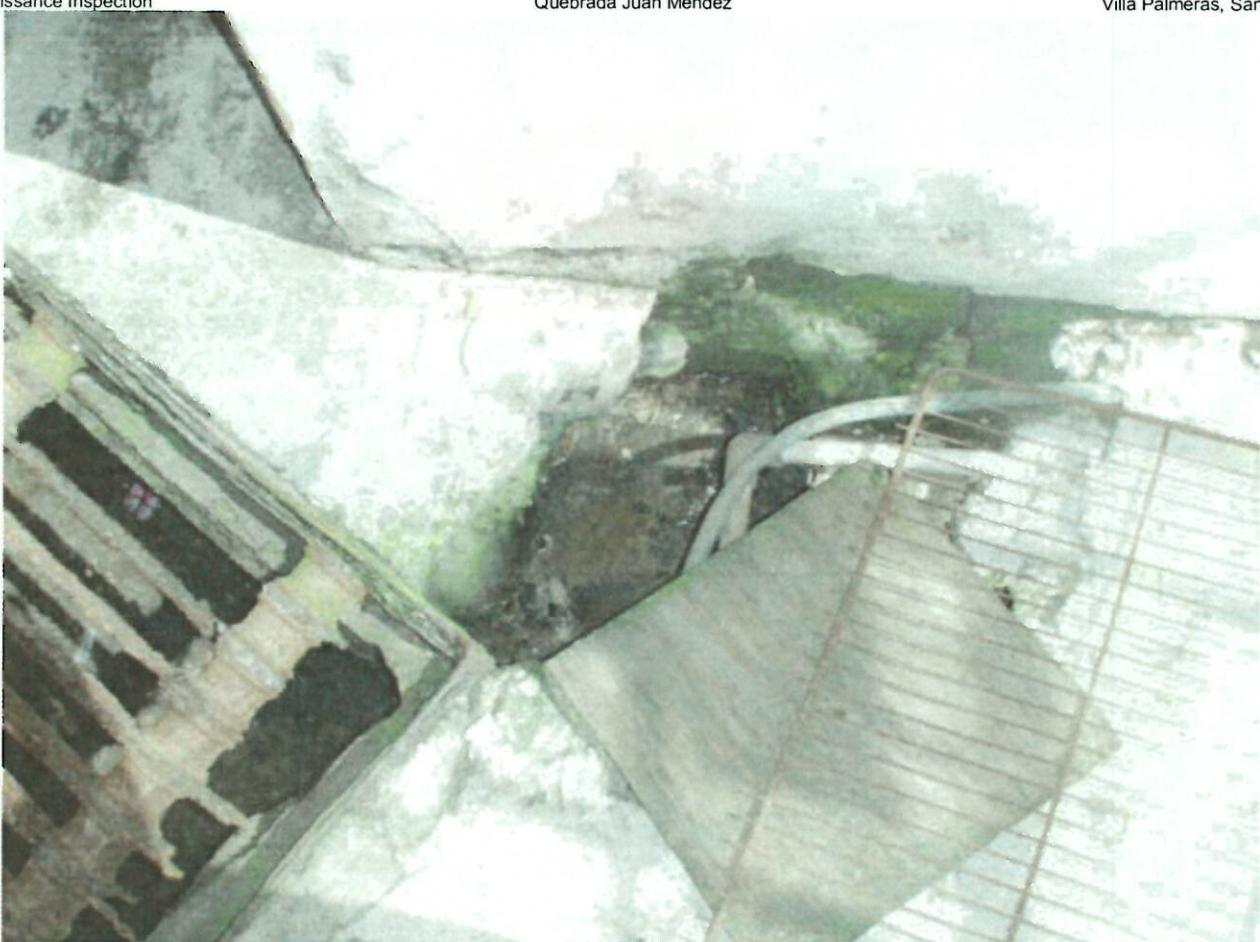


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02/16/2012
Taken by M. Lantner, EPA Region 2, WCB

Explanation of the Preliminary Monthly Climate Data (F6) Product

These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - <http://www.ncdc.noaa.gov>.

WFO Monthly/Daily Climate Data

000

CXUS52 TJSJ 220559

CF6JSJ

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: SAN JUAN/P.R.
 MONTH: FEBRUARY
 YEAR: 2012
 LATITUDE: 18 25 N
 LONGITUDE: 66 0 W

TEMPERATURE IN F:						:PCPN:		SNOW:		WIND		:SUNSHINE:				SKY		:PK WND			
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18			
12Z AVG MX 2MIN																					
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR			
1	81	73	77	-1	0	12	0.10	0.0	0	12.9	22	80	M	M	5	1	28	110			
2	82	72	77	-1	0	12	0.24	0.0	0	10.3	20	70	M	M	5		25	70			
3	82	72	77	-1	0	12	0.05	0.0	0	8.4	20	80	M	M	6		25	90			
4	82	71	77	-1	0	12	0.21	0.0	0	11.8	21	60	M	M	5	1	25	70			
5	83	71	77	-1	0	12	0.08	0.0	0	7.0	21	60	M	M	4	1	25	60			
6	82	70	76	-2	0	11	0.21	0.0	0	6.5	22	100	M	M	4		30	100			
7	82	72	77	-1	0	12	0.11	0.0	0	8.5	22	90	M	M	5	1	29	100			
8	82	72	77	-1	0	12	0.37	0.0	0	7.5	22	70	M	M	5	1	25	80			
9	84	73	79	1	0	14	0.01	0.0	0	8.1	22	60	M	M	5		28	60			
10	85	73	79	1	0	14	T	0.0	0	6.9	21	60	M	M	3		24	70			
11	88	71	80	2	0	15	0.00	0.0	0	5.2	16	60	M	M	4		21	60			
12	87	72	80	2	0	15	0.00	0.0	0	3.6	14	10	M	M	3		16	360			
13	82	71	77	-1	0	12	0.00	0.0	0	5.8	17	30	M	M	4		24	20			
14	80	72	76	-2	0	11	0.13	0.0	0	9.3	20	60	M	M	7		24	30			
15	82	73	78	0	0	13	0.13	0.0	0	10.1	18	70	M	M	5		25	40			
16	82	72	77	-1	0	12	0.05	0.0	0	7.3	15	50	M	M	5		20	50			
17	82	74	78	0	0	13	0.01	0.0	0	9.3	16	70	M	M	5		20	20			
18	81	72	77	-1	0	12	0.00	0.0	0	5.8	16	40	M	M	5	8	21	20			
19	83	70	77	-1	0	12	T	0.0	0	5.2	21	60	M	M	3		25	50			
20	83	69	76	-2	0	11	0.00	0.0	0	5.8	16	70	M	M	3		21	40			
21	83	71	77	-1	0	12	0.01	0.0	0	7.0	15	70	M	M	4		21	30			
SM 1738 1506						0	261	1.71	0.0	162.3			M		95						
AV 82.8 71.7										7.7	FASTST		M	M	5		MAX (MPH)				
MISC ---->						#	22	80							#	30	100				
NOTES:																					
# LAST OF SEVERAL OCCURRENCES																					

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: SAN JUAN/P.R.
MONTH: FEBRUARY
YEAR: 2012
LATITUDE: 18 25 N
LONGITUDE: 66 0 W

[TEMPERATURE DATA] [PRECIPITATION DATA] SYMBOLS USED IN COLUMN 16

AVERAGE MONTHLY: 77.2	TOTAL FOR MONTH: 1.71	1 = FOG OR MIST
DPTR FM NORMAL: -0.8	DPTR FM NORMAL: -0.15	2 = FOG REDUCING VISIBILITY
HIGHEST: 88 ON 11	GRTST 24HR 0.43 ON 7- 8	TO 1/4 MILE OR LESS
LOWEST: 69 ON 20	SNOW, ICE PELLETS, HAIL	3 = THUNDER
	TOTAL MONTH: 0.0 INCH	4 = ICE PELLETS
	GRTST 24HR 0.0	5 = HAIL
	GRTST DEPTH: 0	6 = FREEZING RAIN OR DRIZZLE
		7 = DUSTSTORM OR SANDSTORM:
		VSBY 1/2 MILE OR LESS
		8 = SMOKE OR HAZE
[NO. OF DAYS WITH]	[WEATHER - DAYS WITH]	9 = BLOWING SNOW
MAX 32 OR BELOW: 0	0.01 INCH OR MORE: 14	X = TORNADO
MAX 90 OR ABOVE: 0	0.10 INCH OR MORE: 8	
MIN 32 OR BELOW: 0	0.50 INCH OR MORE: 0	
MIN 0 OR BELOW: 0	1.00 INCH OR MORE: 0	

[HDD (BASE 65)]
TOTAL THIS MO. 0 CLEAR (SCALE 0-3) 3
DPTR FM NORMAL 0 PTCLDY (SCALE 4-7) 18
TOTAL FM JUL 1 0 CLOUDY (SCALE 8-10) 0
DPTR FM NORMAL 0

[CDD (BASE 65)]
TOTAL THIS MO. 261
DPTR FM NORMAL -12 [PRESSURE DATA]
TOTAL FM JAN 1 649 HIGHEST SLP M ON M
DPTR FM NORMAL -15 LOWEST SLP 29.93 ON M

[REMARKS]

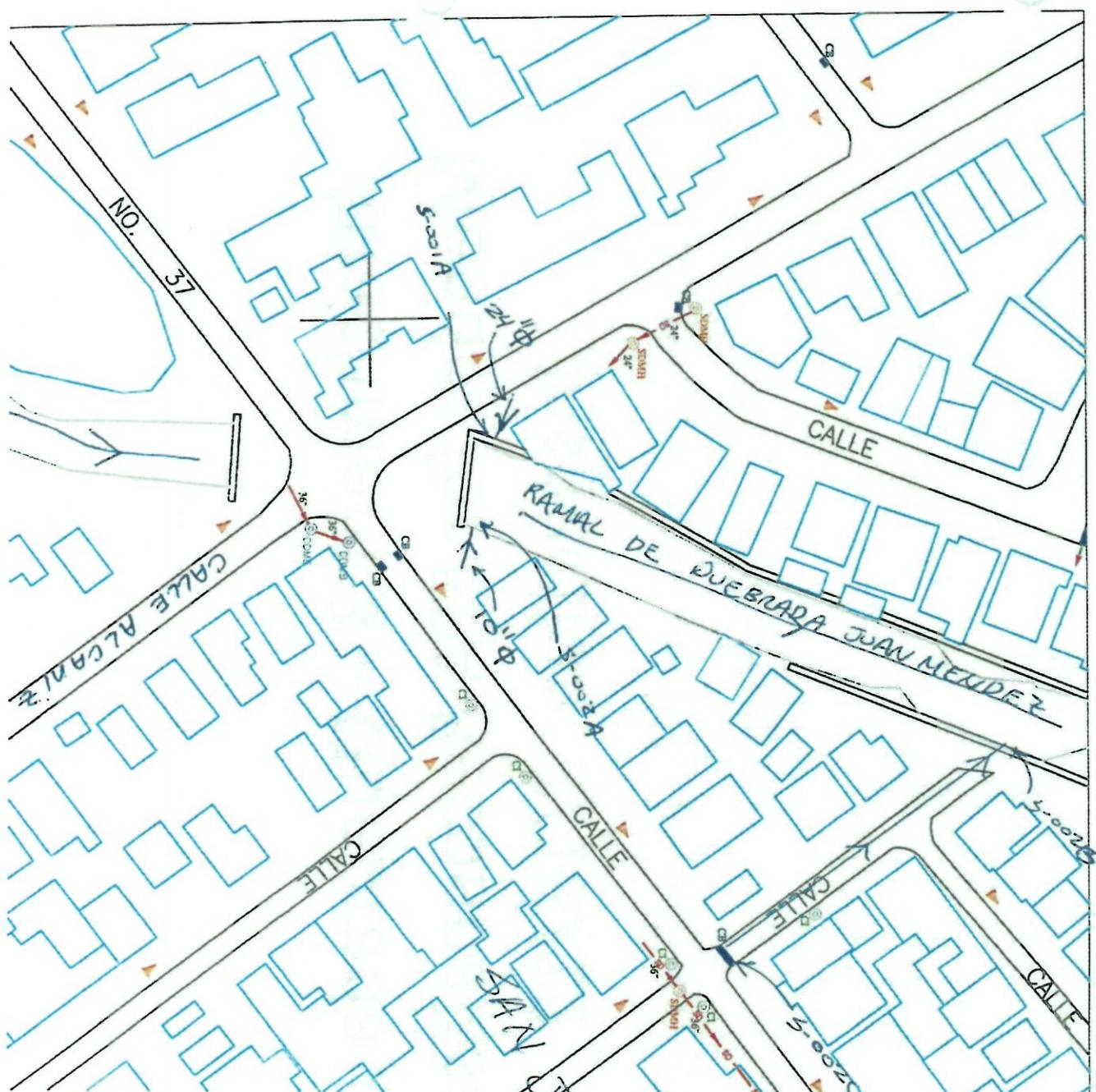
Attachment 3 – Quebrada Juan

Mendez for EPA Reconnaissance

Inspection 2/16/12

Murray Lantner, P.E. Env. Eng. EPA

Region 2



Recon Inspection -
Attachment 3a-1

L12C	Calle Vergel int. calle Alcantiz
S-001a	



OUTFALL RECONNAISSANCE INVENTORY/SAMPLE COLLECTION FIELD SHEET

Section 1: Background Data

Date: Sept 30, 09	Outfall ID: 5-001A
Brigade No. 4	Body of Water: Oba. Juan Uláñez
Grid (Cuadrilla): L12c	Region: 2
Banco: Oriente	Sector: SAN JOSE
Street: CALLE VERGEL INT. CALLE ALCANIZ	GPS Unit: GPS LMK #: Photo #: 6491, 6492 ESCOMBRO Y VEGETACION EN LA PLAZA FOTOS 6497, 6498
Land Use in Drainage Area (Check all that apply):	
<input type="checkbox"/> Industrial	<input type="checkbox"/> Open Space
<input checked="" type="checkbox"/> Ultra-Urban Residential	<input type="checkbox"/> Institutional
<input type="checkbox"/> Suburban Residential	Other: _____
<input type="checkbox"/> Commercial	Known Industries: _____
Notes: _____	
Esta estructura está en los planos del Municipio de San Juan? <input checked="" type="checkbox"/> Si <input type="checkbox"/> No	

SECTION 2: OUTFALL DESCRIPTION

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: 24 In Water: <input type="checkbox"/> No <input checked="" type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
<input type="checkbox"/> Open drainage	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: _____ Top Width: _____ Bottom Width: _____	_____
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If No, Skip to Section 4		
Flow Description (If present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

Recon Inspection – Attachment 3a-1 cont'd





Recon Inspection – Attachment 3a-1

Outfall Reconnaissance Inventory Field Sheet

Section 3: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? Yes No *(If No, Skip to Section 4)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Sewage <input type="checkbox"/> Ransid/sour <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Sulfide <input type="checkbox"/> Other:	<input type="checkbox"/> 1 – Paint	<input type="checkbox"/> 2 – Easily detected	<input type="checkbox"/> 3 – Noticeable from a distance
Color	<input checked="" type="checkbox"/>	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input checked="" type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other:	<input type="checkbox"/> 1 – Faint colors in sample bottle	<input type="checkbox"/> 2 – Clearly visible in sample bottle	<input type="checkbox"/> 3 – Clearly visible in outfall flow
Turbidity	<input type="checkbox"/>	See severity	<input type="checkbox"/> 1 – Slight cloudiness	<input type="checkbox"/> 2 – Cloudy	<input type="checkbox"/> 3 – Opaque
Floating Deer Not Include Trash	<input type="checkbox"/>	<input type="checkbox"/> Sewage (Toilet Paper, etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (oil sheen) <input type="checkbox"/> Other:	<input type="checkbox"/> 1 – Few/light, origin not obvious	<input type="checkbox"/> 2 – Some; indications of origin (e.g., possible suds or oil sheen)	<input type="checkbox"/> 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 4: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? Yes No

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Peeling Paint <input type="checkbox"/> Corrosion	
Deposits/Stains	<input type="checkbox"/>	<input type="checkbox"/> Oily <input type="checkbox"/> Flow Lines <input type="checkbox"/> Paint <input type="checkbox"/> Other:	
Abnormal Vegetation	<input type="checkbox"/>	<input type="checkbox"/> Excessive <input type="checkbox"/> Inhibited	
Poor pool quality	<input type="checkbox"/>	<input type="checkbox"/> Odors <input type="checkbox"/> Colors <input type="checkbox"/> Floatables <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other:	
Pipe beading growth	<input type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Other:	

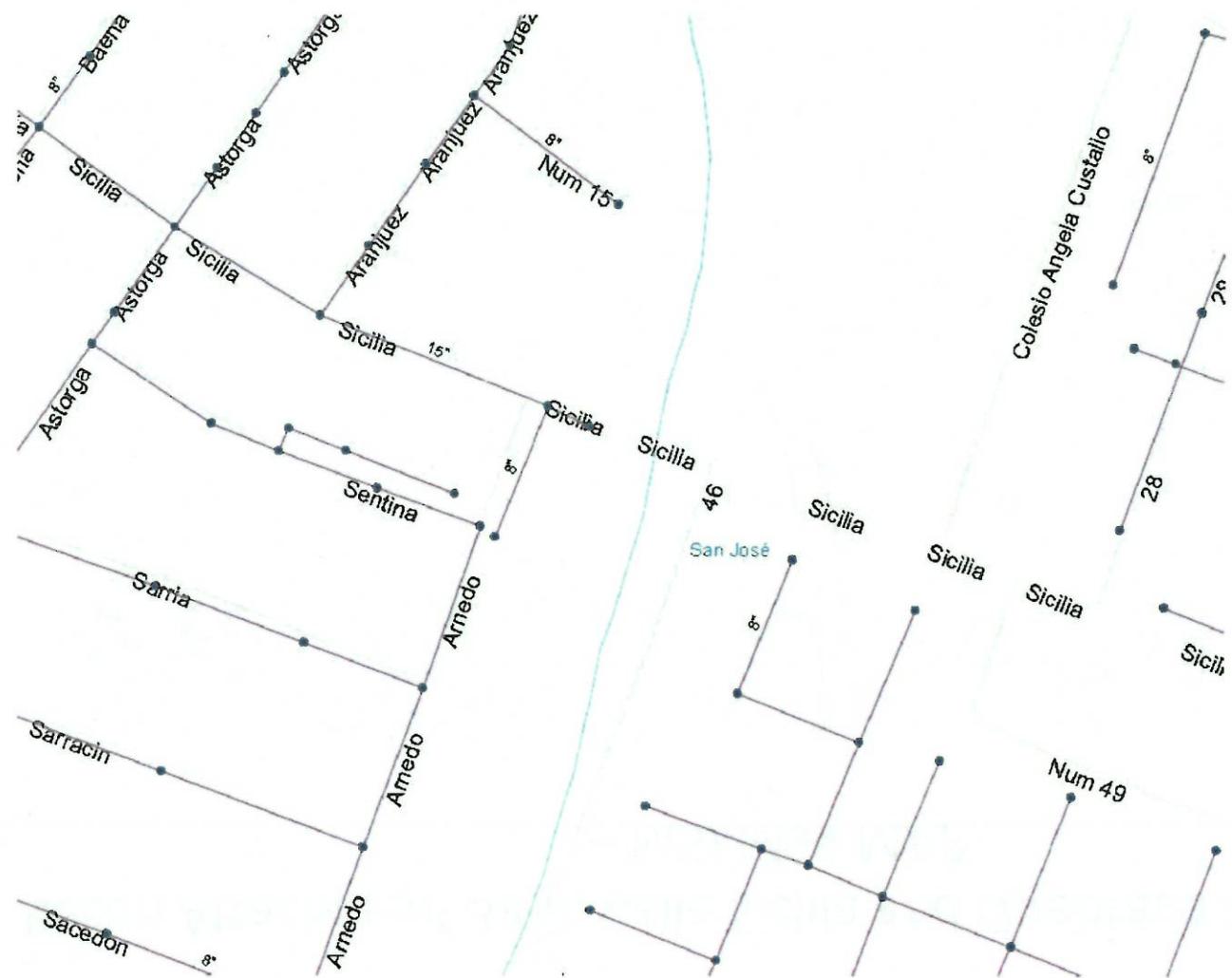
Recommendations:

- Immediate Action Intermediate action Long term action
 Cleaning, uncover

Recon Attachment 3a-2, Calle Sicilia and Quebrada Juan Mendez
– MSJ MS4 MAP

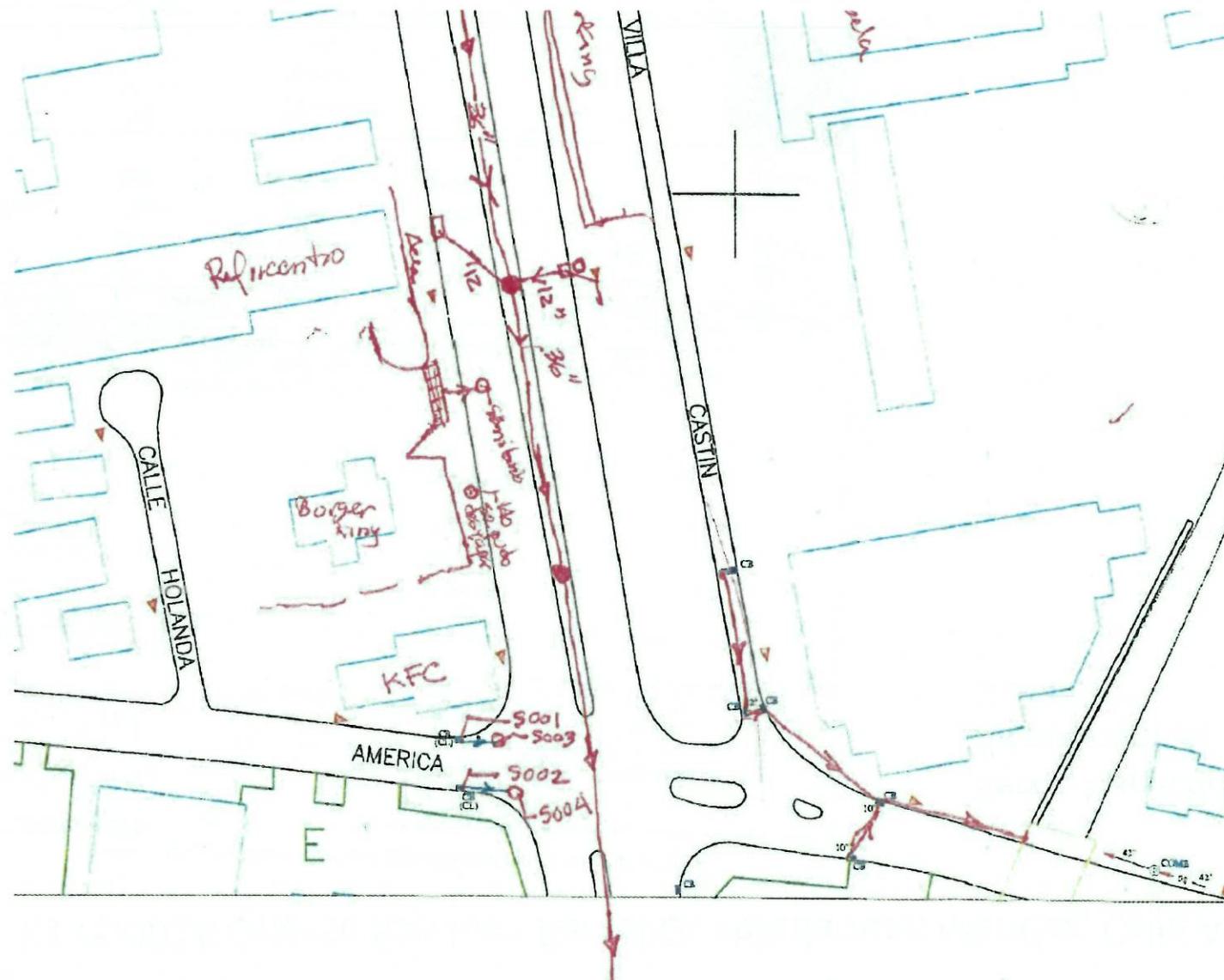


Recon Insp. Attachment 3a-2,
Calle Sicilia and Quebrada Juan Mendez – PRASA Sanitary Map



Recon Insp Att. 3b

K13b-S002A - Oriente San Juan Ramal - Quebrada Juan Mendez, Calle America



K13b-002A Oriente San Juan Ramal Quebrada Juan Mendez, Calle America

CSA Group

OUTFALL RECONNAISSANCE INVENTORY / SAMPLE COLLECTION FIELD SHEET

Section 1: Background Data

Date: 30/SEPT/09	Outfall ID: S-002A
Bridge No: 4	Body of Water: RAMAL QUEBRADA JUAN MENDEZ
Grid (Cadastral): K13b	Region: 2
Bario: ORIENTE	Sector: SAN JOSE
Street: CALLE AMERICA	GPS Unit: GPS LMX #:
	Photo #: 6528, 6529, 6530, 6532, 6533
Land Use in Drainage Area (Check all that apply):	
<input type="checkbox"/> Industrial	<input type="checkbox"/> Open Space
<input checked="" type="checkbox"/> Ultra-Urban Residential	<input type="checkbox"/> Institutional
<input type="checkbox"/> Suburban Residential	Other: _____
<input type="checkbox"/> Commercial	Known Industries: _____
Notes:	
<p>¿Esta estructura esta en los planos del Municipio de San Juan? <input type="checkbox"/> Si <input checked="" type="checkbox"/> No</p> <p>EL PLANO DEL MUSO MUESTRA EN ESTE LUGAR UN TUBO DE 42" Ø EN REALIDAD LO QUE HAY ES UN CAJON DE DOS CELDAS</p>	

Recon Inspection - Attachment 3b (Cont'd)

SECTION 2: OUTFALL DESCRIPTION					
LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED	
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RC <input type="checkbox"/> CNG	<input type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input checked="" type="checkbox"/> Box <input type="checkbox"/> Other: RC	<input type="checkbox"/> Single <input checked="" type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Dimension: 4' X 3'	In Water: <input checked="" type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
	<input type="checkbox"/> PVC <input type="checkbox"/> HDPE	<input type="checkbox"/> Steel	<input type="checkbox"/> Other: _____		With Sediment: <input checked="" type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
<input type="checkbox"/> Open drainage	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: _____	Hatched	Top Width: _____
			Bottom Width: _____		
<input type="checkbox"/> In-Stream (applicable when collecting samples)					
Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If No, Skip to Section 4			
Flow Description (If present)	<input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial				

Recon Inspection – Att 3.b Cont'd
K13b Oriente San Juan Ramal Quebrada Juan Mendez, Calle America

Outfall Reconnaissance Inventory Field Sheet

Section 3: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? Yes No (If No, Skip to Section 4)

INDICATOR	CHECK If Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Sewage <input type="checkbox"/> Rancid/sour <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Sulfide <input type="checkbox"/> Other	<input type="checkbox"/> 1 – Faint	<input type="checkbox"/> 2 – Easily detected	<input type="checkbox"/> 3 – Noticeable from a distance
Color	<input checked="" type="checkbox"/>	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input checked="" type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other	<input type="checkbox"/> 1 – Faint colors in sample bottle	<input type="checkbox"/> 2 – Clearly visible in sample bottle	<input type="checkbox"/> 3 – Clearly visible in outfall flow
Turbidity	<input type="checkbox"/>	See severity	<input type="checkbox"/> 1 – Slight cloudiness	<input type="checkbox"/> 2 – Cloudy	<input type="checkbox"/> 3 – Opaque
Floating* -Does Not Include Trash!!	<input type="checkbox"/>	<input type="checkbox"/> Sewage (Toilet Paper, etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (oil sheen) <input type="checkbox"/> Other	<input type="checkbox"/> 1 – Few/ slight; origin not obvious	<input type="checkbox"/> 2 – Some; indications of origin (e.g., possible suds or oil sheen)	<input type="checkbox"/> 3 – Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 4: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? Yes No

INDICATOR	CHECK If Present	DESCRIPTION	COMMENTS
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Peeling Paint <input type="checkbox"/> Corrosion	
Deposits/Stains	<input type="checkbox"/>	<input type="checkbox"/> Oily <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other	
Abnormal Vegetation	<input type="checkbox"/>	<input type="checkbox"/> Excessive <input type="checkbox"/> Inhibited	
Poor pool quality	<input type="checkbox"/>	<input type="checkbox"/> Odors <input type="checkbox"/> Colors <input type="checkbox"/> Floatables <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other	
Pipe benthic growth	<input type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Other	

Recommendations:

- Immediate Action Intermediate action Long time action
 Cleaning, uncover

SE VERIFICAR SI EXISTEN DESCARGA SANITARIA PE HABER LAS SE DEBE REALIZAR PROYECTO PARA SEPARAR SISTEMAS. LAS DESCARGAS SANITARIA ESTAN CONTAMINANDO NUESTROS CUERPOS DE AGUA.

Recon Inspetion Att. 3.b Cont'd

K13b-S002A - Oriente San Juan Ramal Quebrada Juan Mendez, Calle America

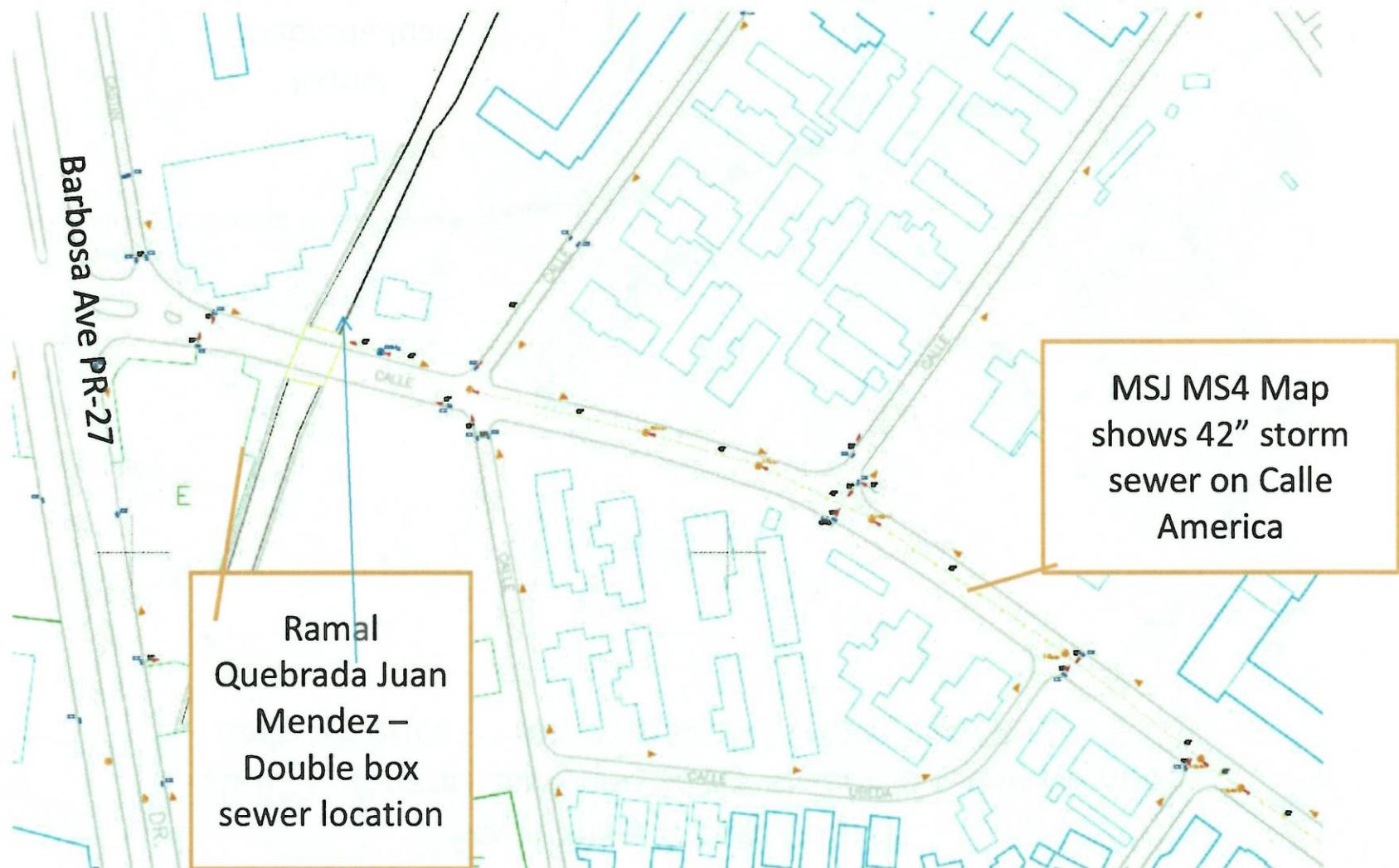


CIMG6528



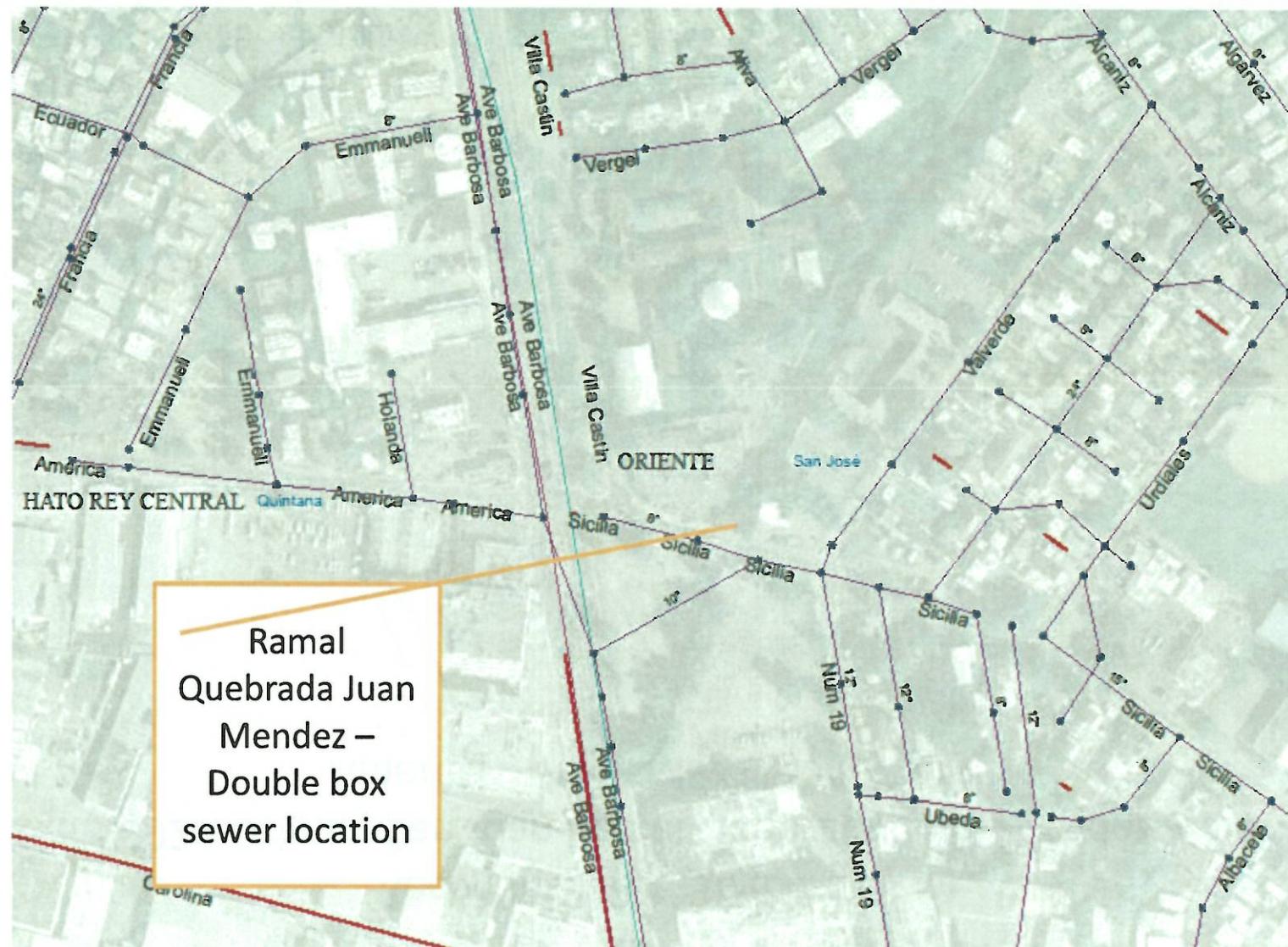
CIMG6529

Recon Insp. Att. 3b (cont'd)
K13b-002A Oriente San Juan Ramal Quebrada Juan Mendez, Calle
America - From MSJ's MS4 Map



Recon Insp. Att. 3b Cont'd

K13b-002A Oriente San Juan Ramal Quebrada Juan Mendez,
Calle America - From PRASA SANITARY SEWER MAPS



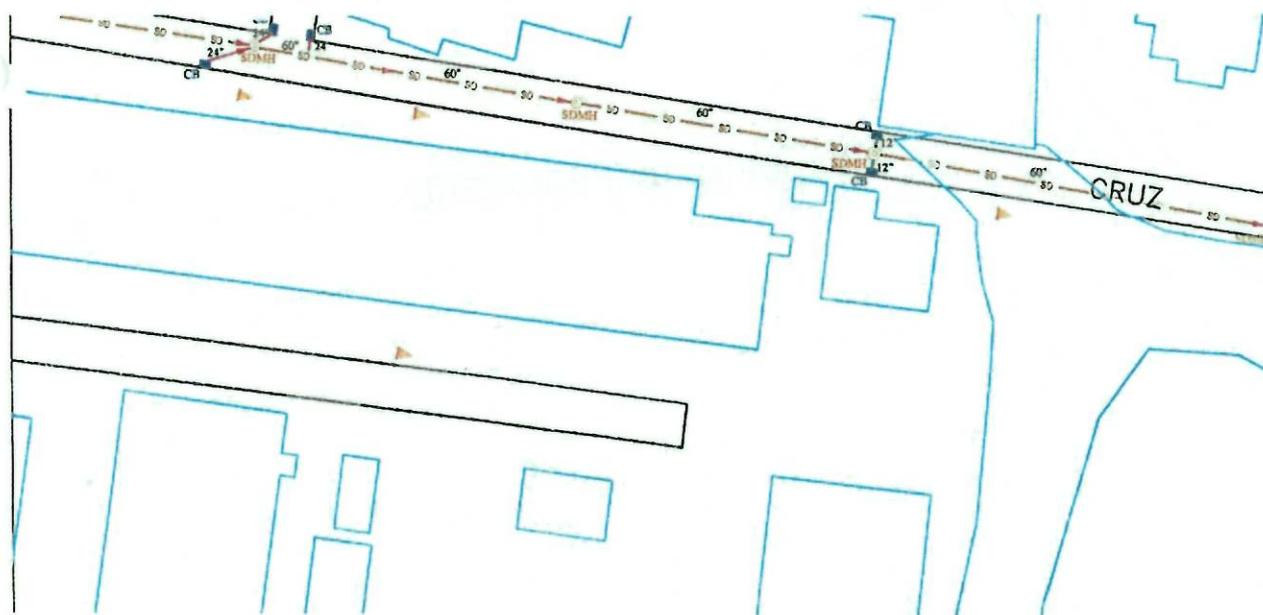
Oriente Valencia – Quebrada Juan Mendez- Calle Cruz - L15c-S001a

L15c

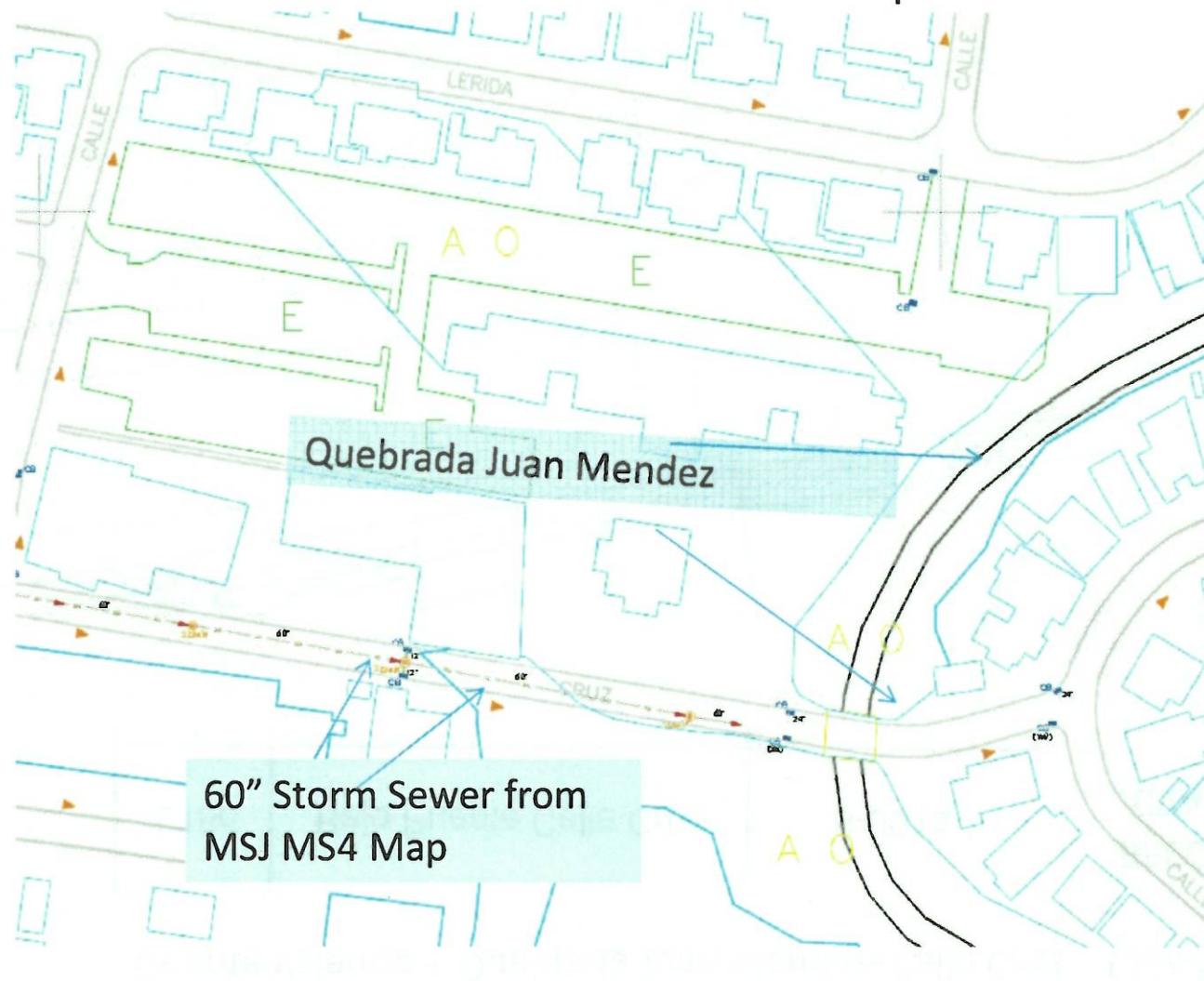
Bajo Puente Calle Cruz

S-001a

RECON INSPECTION – ATTACHMENT 3C

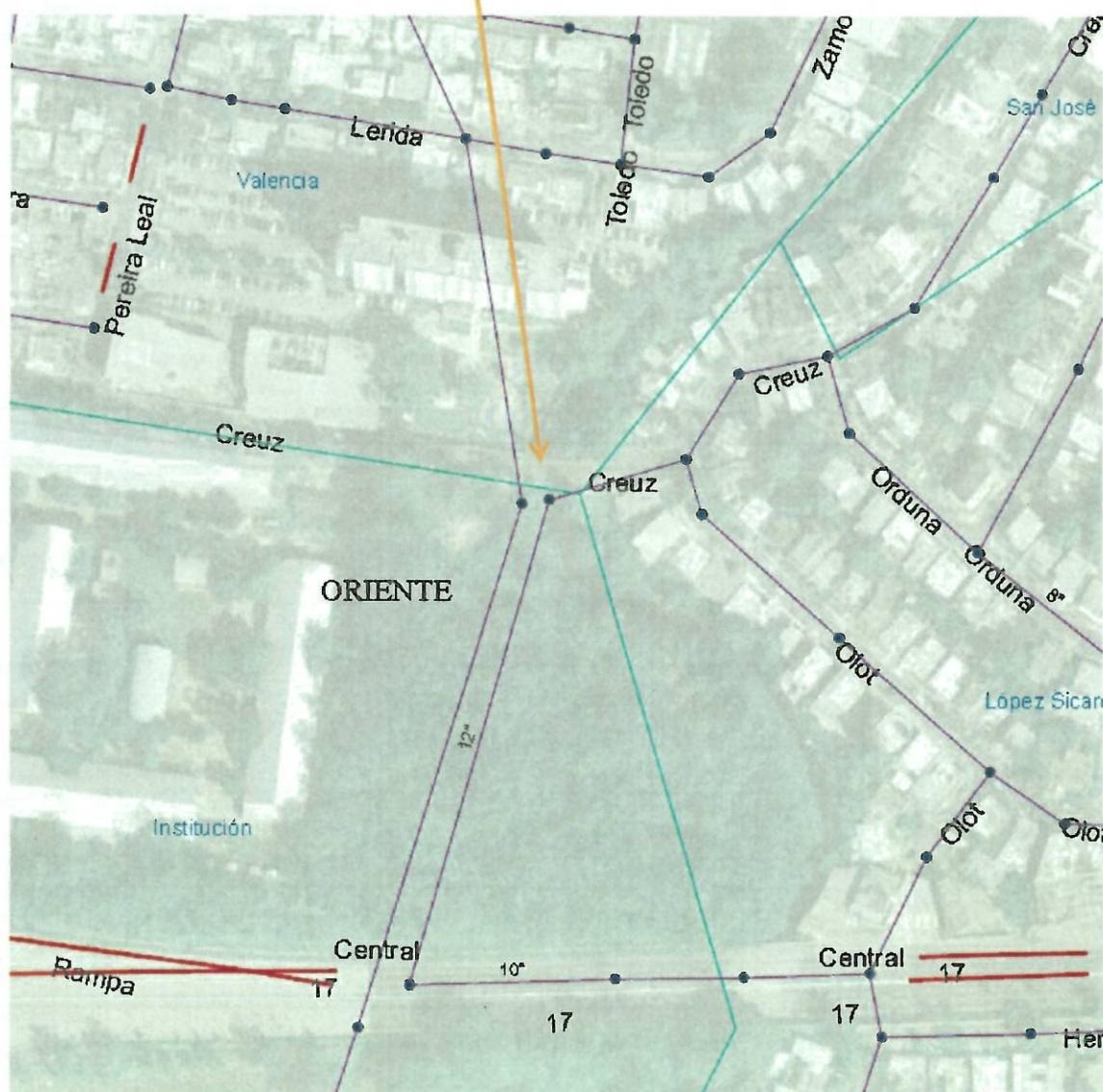


Recon Inspection – Att. 3C (Cont'd)
Oriente Valencia – Quebrada Juan Mendez- Calle Cruz - L15c-S001a
from MSJ MS4 Map



Recon Inspection – Att. 3c Cont'd

Oriente Valencia – Quebrada Juan Mendez- Calle Cruz - L15c-S001a from PRASA MAP





OUTFALL RECONNAISSANCE INVENTORY/SAMPLE COLLECTION FIELD SHEET

Section 1: Background Data

Date: Sept. 24, 09	Outfall ID: S-001A		
Brigada No: 4	Body of Water: Rio San Juan River		
Grid (Cuadrícula): L15C	Region: 2	GPS Unit:	GPS LMK #:
Berrio: Valencia	Sector: VALENCIA	Photo #: 6439, 6440, 6441	
<u>BAJO PUENTE CALLE CRUZ</u>			
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial	<input type="checkbox"/> Open Space		
<input checked="" type="checkbox"/> Ultra-Urban Residential	<input type="checkbox"/> Institutional		
<input type="checkbox"/> Suburban Residential	Other: _____		
<input type="checkbox"/> Commercial	Known Industries: _____		
Notes: APARENTE DESCARGA SANITARIA, TIENE MAL OLOR			
¿Esta estructura esta en los planos del Municipio de San Juan? <input type="checkbox"/> Si <input checked="" type="checkbox"/> No			

SECTION 2: OUTFALL DESCRIPTION

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN)	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input checked="" type="checkbox"/> Other: RC	<input type="checkbox"/> Circular <input checked="" type="checkbox"/> Single <input type="checkbox"/> Elliptical <input checked="" type="checkbox"/> Box <input type="checkbox"/> Other: _____	Diameter/Dimensions: 16 x 31	In Water: <input checked="" type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input checked="" type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
<input type="checkbox"/> Open drainage	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: _____ Top Width: _____ Bottom Width: _____	Hatched
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>If No, Skip to Section 4</i>			
Flow Description (If present)	<input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

RECON INSPECTION – ATTACHMENT 3C Cont'd

ATTACHMENT 3C Cont'd

Outfall Reconnaissance Inventory Field Sheet

Section 3: Physical Indicators for Flushing Outfalls Only

Section I: Physical Exercise in Early Pregnancy

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INDICATOR

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Recommendations

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REFUGIADO SE VERDE LA JUSTICIA 391

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WIRKUNG DER SÄR FÜR
SISTEMAS

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Oriente-Dos Pinos-Quebrada Juan Mendez - L16a-S001a – Jesus T Pinero (below bridge)

RECON INSPECTION ATTACHMENT 3d



OUTFALL RECONNAISSANCE INVENTORY/SAMPLE COLLECTION FIELD SHEET

Section 1: Background Data

Date: Sept. 24, 2013	Outfall ID: S-001a
Bogado No: 4	Body of Water: Quebrada Juan Mendez
Grid (Cuadricula): L16a	Region: 2
Barrio: C12/WC	Sector: DOS PINOS
Street:	Photo #: 6444, 64447
BAJO PUENTE JESUS T. PINERO	
Land Use in Drainage Area (Check all that apply):	
<input type="checkbox"/> Industrial	<input type="checkbox"/> Open Space
<input checked="" type="checkbox"/> Ultra-Urban Residential	<input type="checkbox"/> Institutional
<input type="checkbox"/> Suburban Residential	Other: _____
<input type="checkbox"/> Commercial	Known Industries: _____
Notes:	
<p>ESTA CON PIANEZUELO INCORRECTO EN EL PLANO MJS ES DE 30'.</p> <p>FLUJO CONSTANTE DE AGUA, POSIBLE DESCARGA SANITARIA</p> <p>¿Esta estructura esta en los planes del Municipio de San Juan? <input checked="" type="checkbox"/> SI <input type="checkbox"/> NO</p>	

L16a	Bajo Puente Jesus T. Piñero	S-001a
------	-----------------------------	--------

SECTION 2: OUTFALL DESCRIPTION

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN)	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: 30' In Water: <input checked="" type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input checked="" type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
<input type="checkbox"/> Open drainage	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: _____ Top Width: _____ Bottom Width: _____	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If No, Skip to Section 4		
Flow Description (If present)	<input checked="" type="checkbox"/> Trick's <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

Outfall Reconnaissance Inventory Field Sheet

**RECON INSPECTION –
ATTACHMENT 3D –
Cont'd**

Section 3: Physical Indicators for Flowing Outfalls Only
 Not Applicable Yes No Not Sure/Not Sure

INDICATOR	CHECK	DESCRIPTION	COMMENTS	REMARKS/REPORT INDEX#
Oil	<input type="checkbox"/>	<input type="checkbox"/> Spills <input type="checkbox"/> Floating <input type="checkbox"/> Drifters	<input type="checkbox"/> Oil	D-1-Easy Visual
	<input checked="" type="checkbox"/>	<input type="checkbox"/> Sludge <input type="checkbox"/> Other		
Oil	<input type="checkbox"/>	<input type="checkbox"/> Oil <input type="checkbox"/> Sludge <input type="checkbox"/> Grease <input type="checkbox"/> Rust <input type="checkbox"/> Other	<input type="checkbox"/> Oil-Floating Sludge	D-1-Carefully inspect
Water	<input type="checkbox"/>	<input type="checkbox"/> Seepage		D-1-Sightlines
Rust	<input type="checkbox"/>	<input type="checkbox"/> Spills/Traces <input type="checkbox"/> Sludge <input type="checkbox"/> Petroleum (fuel, oil) <input type="checkbox"/> Other	<input type="checkbox"/> Floating signs of rustiness	D-1-Sightlines (e.g. obvious rust, red, or brown staining)
Oil/Water	<input checked="" type="checkbox"/>			
Total				

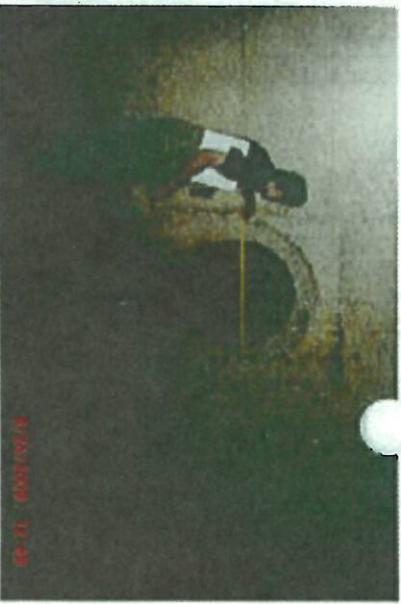
Section 4: Physical Indicators for Both Flowing and Non-Flowing Outfalls
 Are physical indicators that are not related to flow present? Yes No

INDICATOR	CHECK	DESCRIPTION	COMMENTS
Oil/Degre	<input type="checkbox"/>	<input type="checkbox"/> Spilling/Cooling & Curing <input type="checkbox"/> Rusty/Rust	
Degradation	<input type="checkbox"/>	<input type="checkbox"/> Oil <input type="checkbox"/> Rusty <input type="checkbox"/> Rust <input type="checkbox"/> Other	
Animal/Vegetation	<input type="checkbox"/>	<input type="checkbox"/> Burrows <input type="checkbox"/> Inhabited	
Permeability	<input type="checkbox"/>	<input type="checkbox"/> Oil <input type="checkbox"/> Other <input type="checkbox"/> Rusty/Rust <input type="checkbox"/> Grease <input type="checkbox"/> Sludge <input type="checkbox"/> Erosion/Age <input type="checkbox"/> Other	
Piping/Leaking	<input type="checkbox"/>	<input type="checkbox"/> Breaks <input type="checkbox"/> Leaks <input type="checkbox"/> Grease <input type="checkbox"/> Other	

Recommendations:

- Construction
- Landfill/Leachate
- Long-term sites

SE DEBE VERIFICAR LAS DERRAMAS SABOREA DE SER ASI'
PERMUTAR TRABAJOS PARA SEPARAR SISTEMAS



CIMG6446

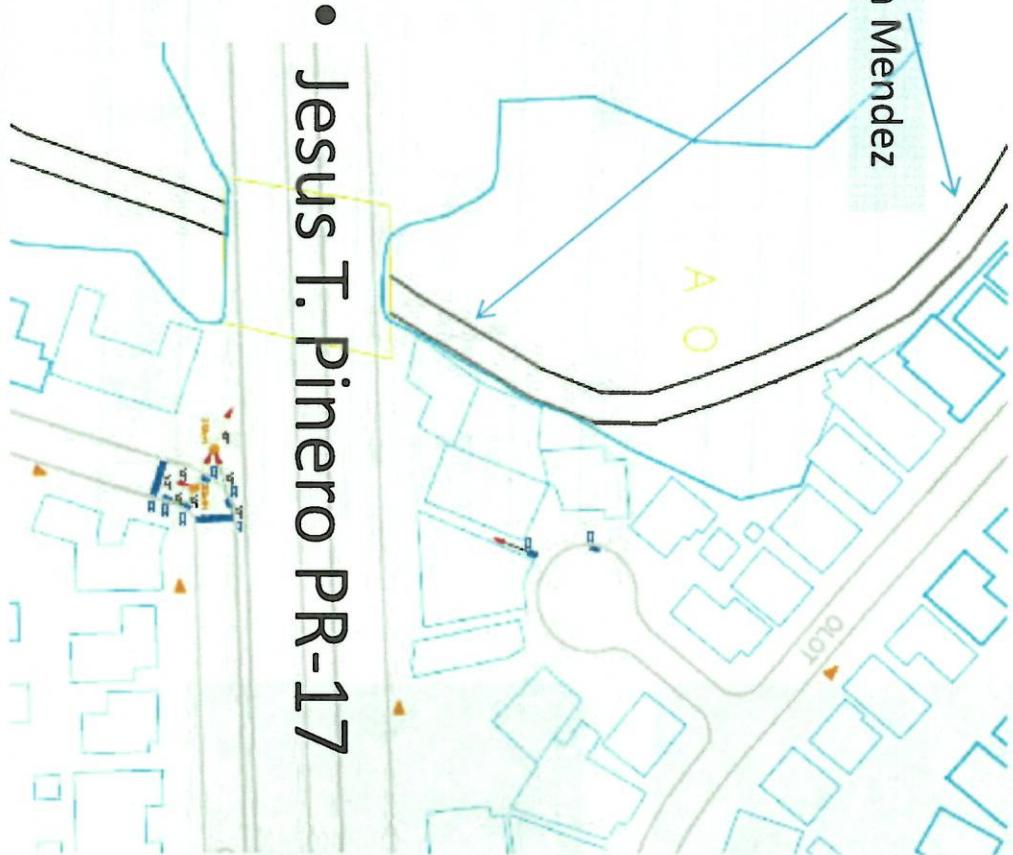
10/24/2009 10:40

CIMG6447

10/24/2009 10:40

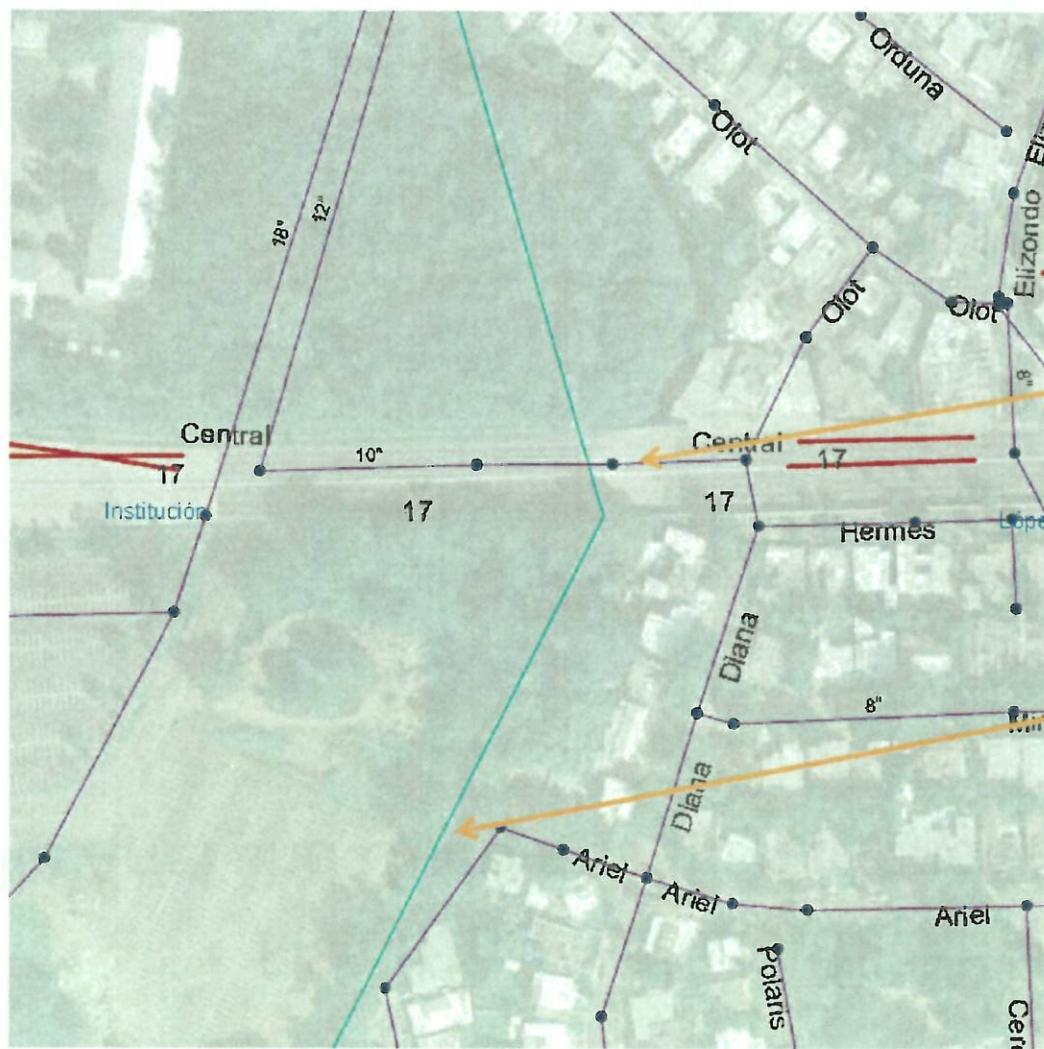
Oriente-Dos Pinos-Quebrada Juan Mendez - L16a-S001a – Jesus T Pinero (below bridge) - From MSJ MSA Map

**RECON INSPECTION –
ATTACHMENT 3D –
Cont'd**



- Jesus T. Pinero PR-17

Oriente-Dos Pinos-Quebrada Juan Mendez - L16a-S001a – Jesus T Pinero – PR-17 - (below bridge) and Calle Ariel - From PRASA SANITARY SEWER MAP



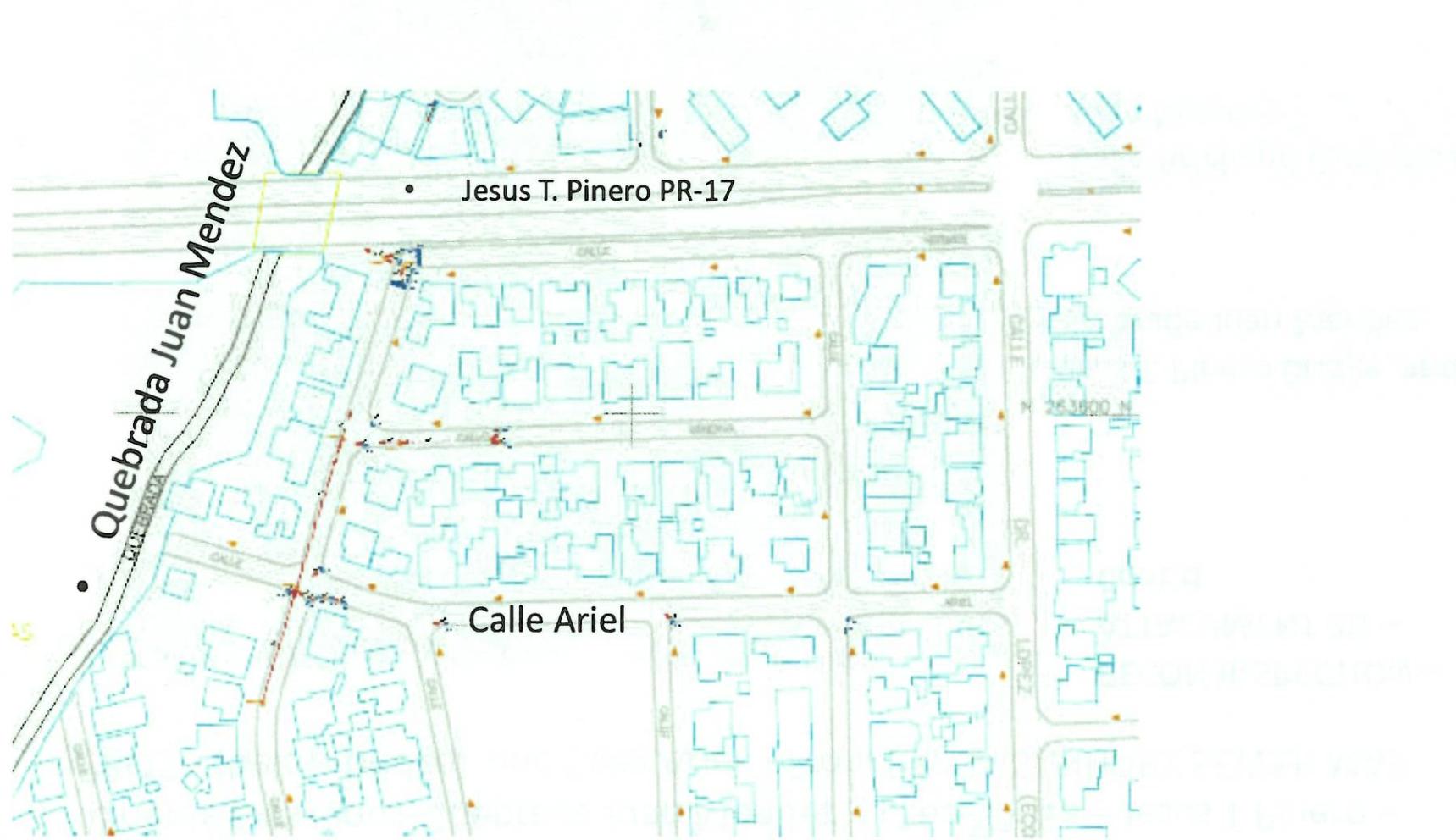
**RECON INSPECTION –
ATTACHMENT 3D –
Cont'd**

Jesus T. Pinero Bridge and
Quebrada Juan Mendez

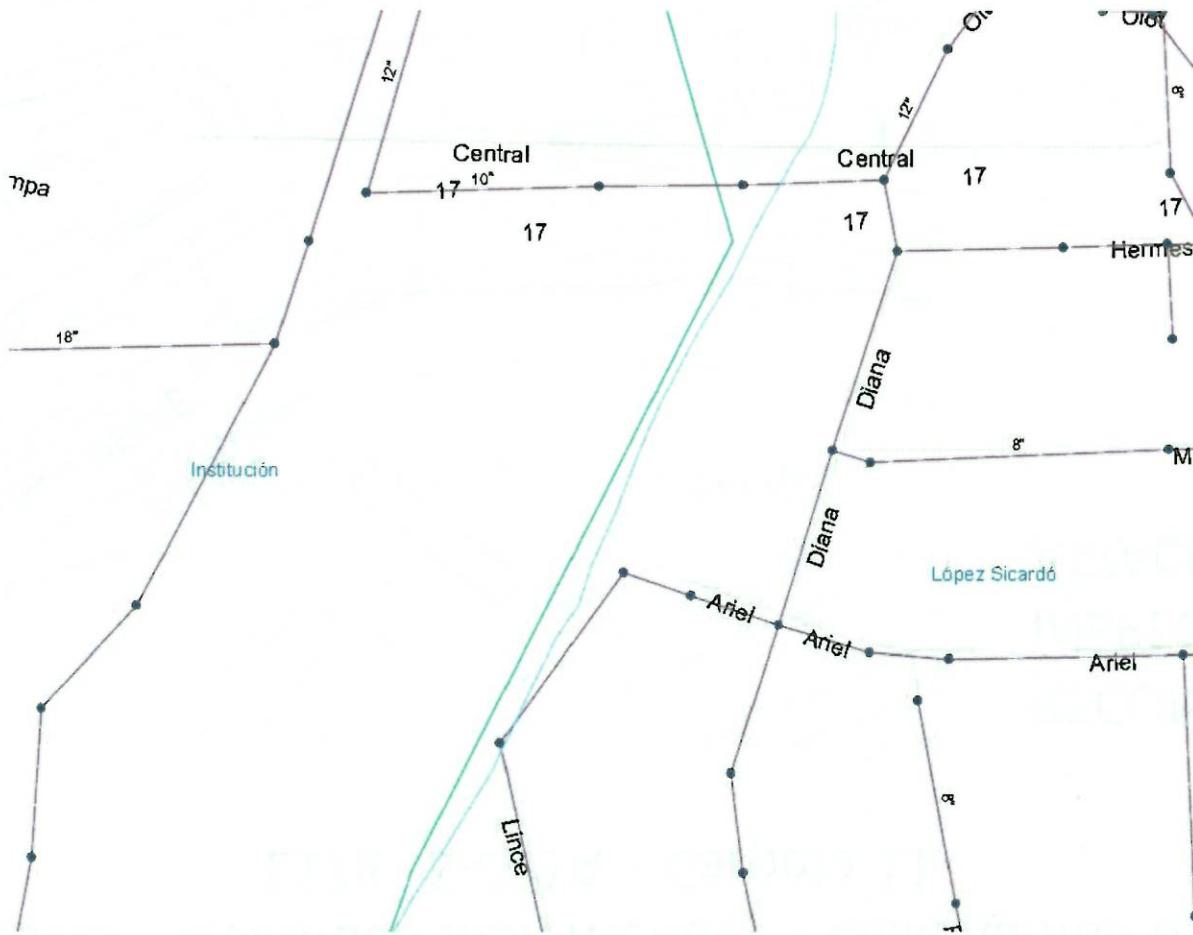
Calle Ariel and Quebrada
Juan Mendez

Recon Inspection Attachment 3e

Calle Ariel and Quebrada Juan Mendez – MSJ MS4 Map



Recon Inspection Attachment 3e (Cont'd) Calle Ariel and Quebrada Juan Mendez – PRASA Sanitary Map



Rio Piedras – Quebrada Juan Mendez – Calle Ramon B. Lopez
L17a - S-001A - Carpeta 11



RECON
INSPECTION
ATTACHMENT 3f



OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

Section 1: Background Data

Date: <u>10 / SEPT / 09</u>	Outfall ID: <u>S-001A...</u>		
Brigade No: 4	Body of Water: <u>RIBERA JUAN MENDEZ</u>		
Grid (Cuadricula): <u>L1a</u>	Region: <u>2</u>	GPS Unit:	GPS LMK #:
Barrio: <u>PUEBLO</u>	Sector: <u>RIO PIEDRAS</u>	Photo #:s: <u>5917, 5918, 5919, 5920, 5921</u>	
Street: <u>CALLE RAMON B. LOPEZ</u>			
Land Use in Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial	<input type="checkbox"/> Open Space		
<input checked="" type="checkbox"/> Ultra-Urban Residential	<input type="checkbox"/> Institutional		
<input type="checkbox"/> Suburban Residential	Other: _____		
<input type="checkbox"/> Commercial	Known Industries: _____		
Notes:			
¿Esta estructura esta en los planos del Municipio de San Juan? <input type="checkbox"/> Si <input checked="" type="checkbox"/> No			

SECTION 2: OUTFALL DESCRIPTION

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: <u>24"</u> In Water: <input checked="" type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input checked="" type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
<input type="checkbox"/> Open drainage	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: _____ Top Width: _____ Bottom Width: _____	Hatched
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If No, Skip to Section 4		
Flow Description (If present)	<input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

RECON INSPECTION – ATTACHMENT 3F – Cont'd



CIMG5917



CIMG5918



CIMG5919

Outfall Reconnaissance Inventory Field Sheet

Section 3: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? Yes No (If No, Skip to Section 4)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Ammonium <input type="checkbox"/> Petroleum <input type="checkbox"/> Solids <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint	<input type="checkbox"/> 2 - Easily detected	<input type="checkbox"/> 3 - Noticeable from a distance
Color	<input checked="" type="checkbox"/>	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input checked="" type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint colors in sample bottle	<input type="checkbox"/> 2 - Clearly visible in sample bottle	<input type="checkbox"/> 3 - Clearly visible in outfall flow
Turbidity	<input type="checkbox"/>	See severity	<input type="checkbox"/> 1 - Slight cloudiness	<input type="checkbox"/> 2 - Cloudy	<input type="checkbox"/> 3 - Opaque
Precipitates -Does Not Include Trash	<input type="checkbox"/>	<input type="checkbox"/> Sewage (Toilet Paper, etc.) <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (oil sheet) <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Few/dispersed, origin not obvious	<input type="checkbox"/> 2 - Some; indicative of origin (e.g., possible suds or oil sheet)	<input type="checkbox"/> 3 - Some, origin clear (e.g., obvious oil sheet, suds, or floating sanitary materials)

Section 4: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? Yes No

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Spalling, Cracking or Clipping <input type="checkbox"/> Peeling Paint <input type="checkbox"/> Corrosion	
Deposit Stains	<input type="checkbox"/>	<input type="checkbox"/> Oil <input type="checkbox"/> Fluo Line <input type="checkbox"/> Paint <input type="checkbox"/> Other	
Abnormal Vegetation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Encrousive <input type="checkbox"/> Infested	
Poor plant quality	<input type="checkbox"/>	<input type="checkbox"/> Odors <input type="checkbox"/> Colors <input type="checkbox"/> Floatables <input type="checkbox"/> Oil Sheets <input type="checkbox"/> Suds <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other	
Pipe/bank ground	<input type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Other	

Recommendations:

Immediate Action Intermediate action Long time action

Cleaning, uncover

VERIFICAR POSIBLE DESCARGA SANITARIA, DE SER ASI REQUIERE TRABAJOS

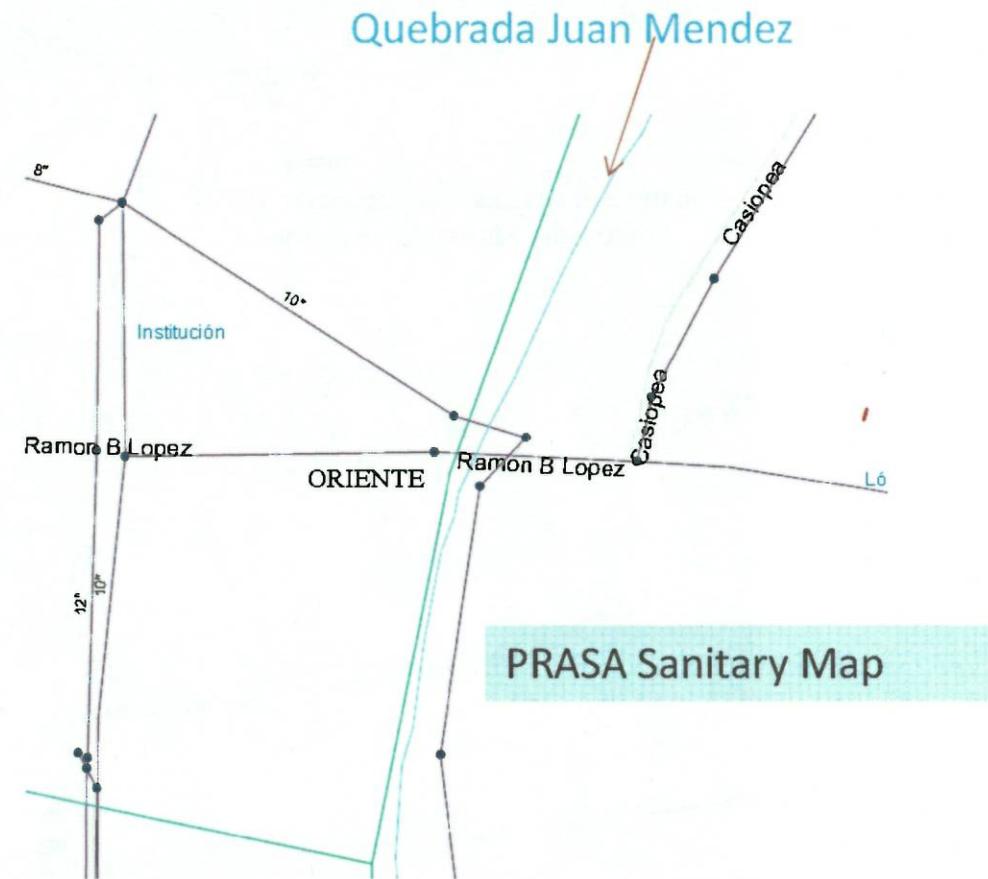
JALC SEPARAR SISTEMAS

RECON INSPECTION – ATTACHMENT
3F – Cont'd



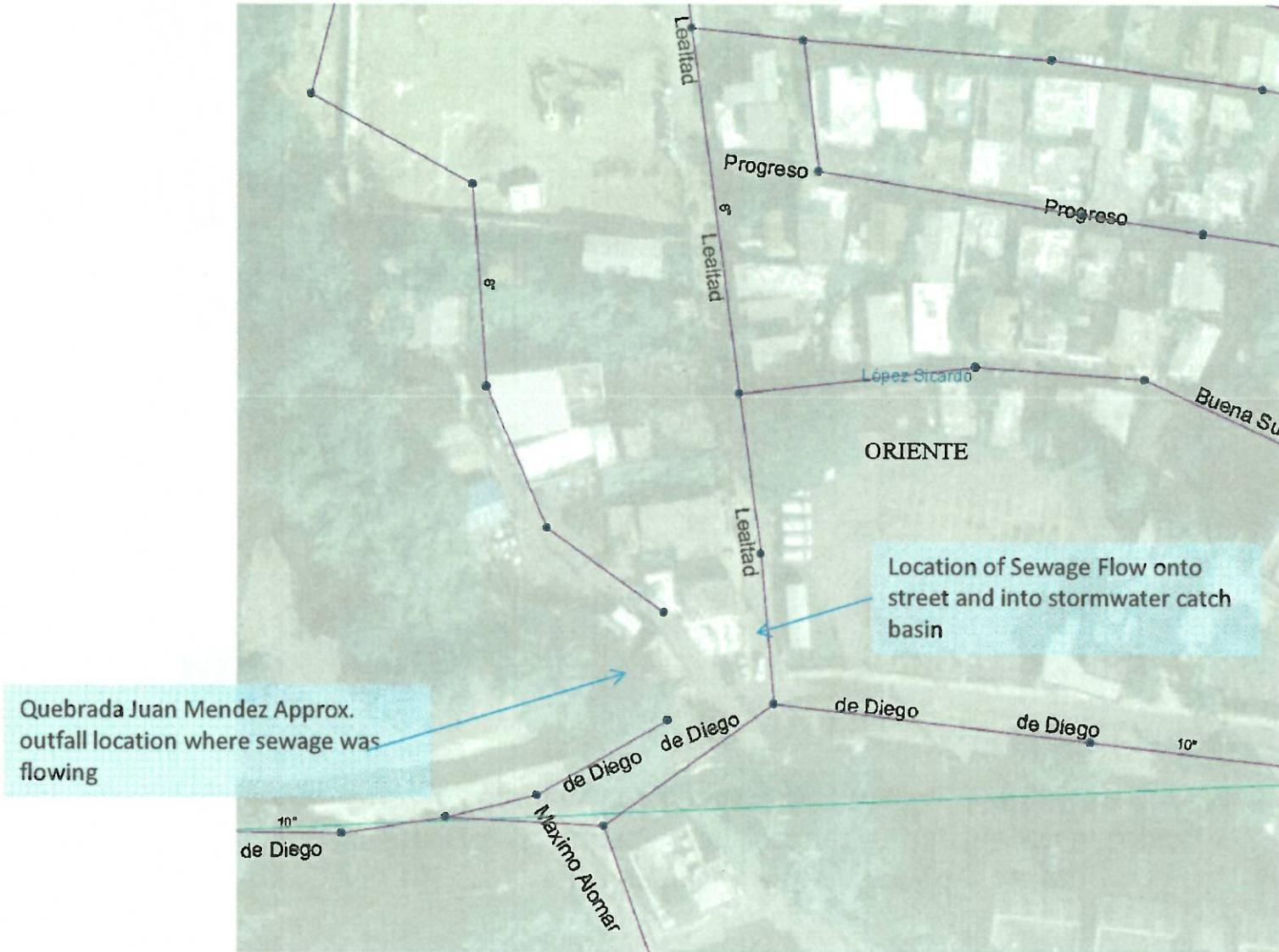
CIMG5921

Recon Insp. – Att. 3F Cont'd
Rio Piedras – Quebrada Juan Mendez – Calle Ramon B. Lopez
L17a - S-001A - Carpeta 11 from MSJ MS4 Map and PRASA Sanitary Map



Recon Inspection Attachment 3g

Lealtad and Jose De Diego PRASA Sanitary Sewer



Recon Insp. Att. 3g (cont'd)
Jose de Diego and Calle Lealtad MSJ MS4 Map



Recon Insp – Att. 3g cont'd
Google Aerial Image Calle Lealtad and Jose de Diego



Imagen de Google Earth tomada el 27 de febrero de 2012

Attachment 4, Recon Inspection

Baldorioty de Castro Drainage

2/16/12

M. LANTNER, EPA REGION 2

Baldorioty de Castro – Castro Vinas – J6c-S006, S007, S008 (Carpeta 1, Loiza 3)
Recon Inspection - Attachment 4a



Recon Insp. Att. 4a (cont'd)

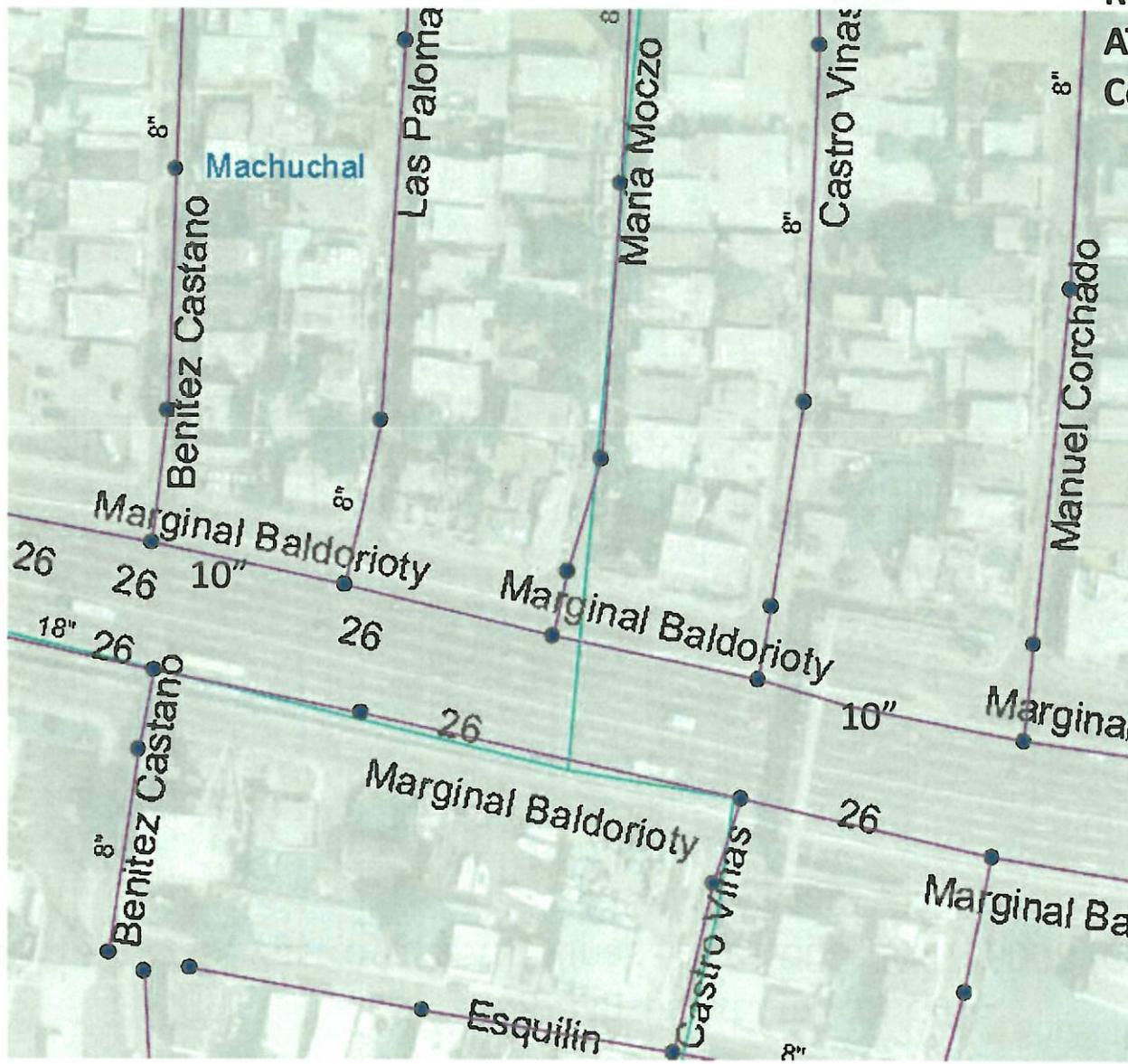
Baldorioty de Castro – Castro Vinas – J6c-S006, S007, S008 (Carpeta 1, Loiza 3)

MSJ MS4 Map



Calle Castro Vinas and North Side of Marginal Baldorioty PRASA Sanitary Sewer

**RECON INSPECTION –
ATTACHMENT 4a
Cont'd**



DISTRITO/REGION	CUADRILLA	ESTRUCTURA NO.	BARRIO
J6C	S006		

SECTOR:
CALLE / UBICACION: <i>Calle Castro Vinas, frente vivienda # 173</i>

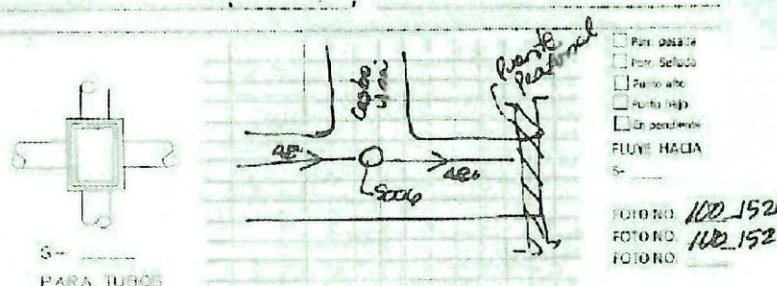
TIPO ESTRUCTURA	CROSS INLET	CATCH BASIN	SWL	HW	CROSS DILET	LUMINARIO	OTROS
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CONDICION EXISTENTE:

1- PARRILLA	<input type="checkbox"/> IMPERMEABLE	<input type="checkbox"/> TAPONADA	<input type="checkbox"/> NO EXISTE / ROTTA	<input type="checkbox"/> NO REVOLVADO
2- ESTRUCTURA	<input checked="" type="checkbox"/> IMPERMEABLE	<input type="checkbox"/> TAPONADA	<input type="checkbox"/> ROTTO	<input type="checkbox"/> NO REVOLVADO
3- ESCALERAS	<input type="checkbox"/>	<input type="checkbox"/> SECA	<input type="checkbox"/> NO DOSTTE / ROTTA	<input type="checkbox"/>
4- TUBO/B.C.	<input type="checkbox"/>	<input type="checkbox"/> LIMPIA	<input type="checkbox"/> ROTTO	<input type="checkbox"/> COLAPSADA
5- TUBO/B.C.	<input type="checkbox"/>	<input type="checkbox"/> LIMPIA	<input type="checkbox"/> ROTTO	<input type="checkbox"/> COLAPSADA
6- TUBO/B.C. = 12" (lento)	<input type="checkbox"/>	<input type="checkbox"/> LIMPIA	<input type="checkbox"/> ROTTO	<input type="checkbox"/> COLAPSADA
7- TUBO/B.C. = 18" (rudo)	<input type="checkbox"/>	<input type="checkbox"/> LIMPIA	<input type="checkbox"/> ROTTO	<input type="checkbox"/> COLAPSADA
8- CUNETA	<input type="checkbox"/>	<input type="checkbox"/> LIMPIA	<input type="checkbox"/> ROTTO	<input type="checkbox"/> COLAPSADA
9-ZONA INUNDABLE (FIMA)	<input type="checkbox"/> SI	<input type="checkbox"/> IMPERMEABLE	<input type="checkbox"/> ROTTO	<input type="checkbox"/> OTROS
10- AREA INUNDABLE (NO FIMA)	<input type="checkbox"/> SI	<input type="checkbox"/> SI	<input type="checkbox"/> ROTTO	<input type="checkbox"/>

DESCRIPCION DEL PROBLEMA:

- Sistema contaminado.



RECOMENDACION	<input type="checkbox"/> ACCION INMEDIATA	<input type="checkbox"/> ACCION INMEDIATA	<input checked="" type="checkbox"/> LARGO PLAZO
REINFORZAR	<input type="checkbox"/> LIMPIEZA, DESATASCAR	<input type="checkbox"/> LIMPIEZA, DESATASCAR	<input type="checkbox"/>
CREAR AVERTIDA	<input type="checkbox"/> SE REQUIERE SEGUNDA MIRADA	<input type="checkbox"/>	<input type="checkbox"/>

*No problema de inundacion.
- reparar sistemas, contaminados. -*

RECON INSPECTION – ATTACHMENT 4a Cont'd

J6C

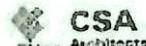
S-001 a S-008

Calle Castro Vinas , frente residencia #173

Todas estas estructuras estan tapadas por sedimentos . Los tubos que salen de los inlets son menos de 18" diametro. El sistema esta combinado Pluvial-sanitario. Los residentes dicen que se inundan sus casas.

Accion Inmediata: 1. Las estructuras deben limpiarse asi como los tubos que salen o entran a los inlets o manholes.

Accion Largo Plazo: 1. Hacer un estudio hidrologico- hidraulico del sector y determinar los No diametros optimos para el drenaje pluvial. Es recomendable hacer un cross inlets en el punto bajo de la calle en ese sector. Separar el sistema pluvial del sanitario.

CSA
Architects and Engineers, U.P.

PROYECTO: ESTUDIO INUNDACIONES MUNICIPIO SAN JUAN

FECHA: 22/07/2009 HOJA

BRIGADA:

2

DISTRITO/REGION	CUADRILLA	ESTRUCTURA NO.	BARRIO
1	J6C	5007	

SECTOR

CALLE / UBICACION: calle Casper Víña, entre paseo peatonal y casa #159

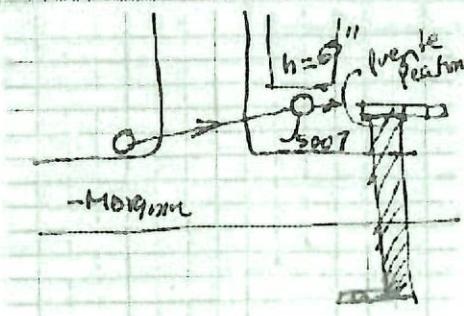
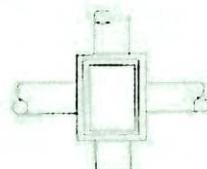
- TIPO ESTRUCTURA DURANTE CATCH BASIN MA SW CROSS INLET HUECO OTROS
- Simple L14 Circular Plana
 Poco L2 Plana Suelta
 Tapa Completo

CONDICION EXISTENTE:

- | | | | | |
|-----------------------------|---------------------------------------|---|---|--------------------------------------|
| 1- FARRILLA | <input type="checkbox"/> LIMPIA/SUCIA | <input type="checkbox"/> TAPADA/TAPADA | <input type="checkbox"/> NO EXISTE / ROTA | <input type="checkbox"/> NO NIVELADO |
| 2- ESTRUCTURA | <input type="checkbox"/> LIMPIA/SUCIA | <input checked="" type="checkbox"/> TAPADA/TAPADA | <input type="checkbox"/> ROTO | <input type="checkbox"/> NO NIVELADO |
| 3- ESCALERAS | <input type="checkbox"/> BUENA | <input type="checkbox"/> TAPADA | <input type="checkbox"/> NO EXISTE / ROTA | |
| 4- TUBO/B.C. = 18" (centro) | <input type="checkbox"/> LIMPIA | <input type="checkbox"/> TAPADA | <input type="checkbox"/> ROTO | <input type="checkbox"/> COLAPSADA |
| 5- TUBO/B.C. = | <input type="checkbox"/> LIMPIA | <input type="checkbox"/> TAPADA | <input type="checkbox"/> ROTO | <input type="checkbox"/> COLAPSADA |
| 6- TUBO/B.C. = 48" (centro) | <input type="checkbox"/> LIMPIA | <input type="checkbox"/> TAPADA | <input type="checkbox"/> ROTO | <input type="checkbox"/> COLAPSADA |
| 7- TUBO/B.C. = 48" (centro) | <input type="checkbox"/> LIMPIA | <input type="checkbox"/> TAPADA | <input type="checkbox"/> ROTO | <input type="checkbox"/> COLAPSADA |
| 8- CLAVETA | <input type="checkbox"/> LIMPIA/SUCIA | <input type="checkbox"/> VALA | <input type="checkbox"/> NO DENTRA | |
| 9-ZONA INUNDABLE (FEMA) | <input type="checkbox"/> SI | <input type="checkbox"/> ROTO | | |
| 10-AREA INUNDABLE (NO FEMA) | <input type="checkbox"/> SI | <input type="checkbox"/> ROTO | | |
- Gotos (lociones):

DESCRIPCION DEL PROBLEMA:

Manhole comburado... , h=63" hasta material de topo.

 Pmt. perdida Pmt. Selada Arriba alta Punto bajo Un pendiente

FLUYE HACIA

S-

FOTO NO. 100-152

FOTO NO. 100-152

FOTO NO. _____

RECOMENDACION:

 PRIMERA VISITA SEGUNDA VISITA ACCION INMEDIATA LIMPIEZA, ESTAPADA SE REQUIERE SEGUNDA VISITA ACCION INTERMEDIA LARGO PLAZO

DISCIPLINA	CATEGORÍA	ESTRUCTURA NO.	BÁSICO
A	Sec	SCOB	Sánchez
SECTOR			
CALLE / UBICACIÓN			
Hojas de Baldeniquia esp. c. casta Vitis			

**RECON INSPECTION –
ATTACHMENT 4a**

DESCRIPTION DEL PROBLEMA
"Sistema. Com binaderi. H. procedente fapolo
hazan".

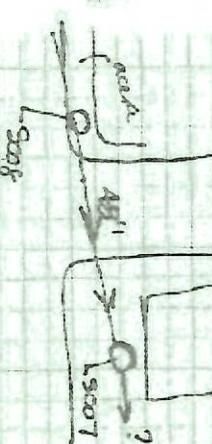
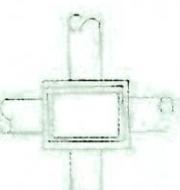


FOTO NO. 142-152
ON DATE NOV 10 1960

RECOMENDACIÓN **EN** **FORMATO** **MÍNIMO** **DE** **EXCELENCIA**

- Large pluses. Second sets outwards.

BRIGADA: 2

DISTRITO/REGION	CUADRICULA	ESTRUCTURA NO.	BARRIO
1	50C	5003	Sarape

SECTOR

CALLE / UBICACION:

Calle Castro Vivas Frente Casa #159, #172

TIPO ESTRUCTURA CURB INLET CATCH BASIN MH HW CROSS INLET COMBINADO OTROS

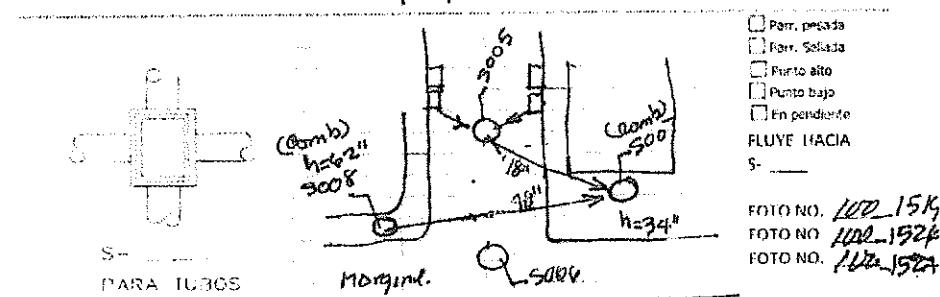
Simple 1/4
 Doble 1/2
 Triple Completo
 Sanitario/ Pluvial
 Pluvial/ Sanitario

CONDICION EXISTENTE:

- | | | | | |
|----------------------------------|---------------------------------------|---|--|--------------------------------------|
| 1- PARRILLA | <input type="checkbox"/> LIMPIA/SUCIA | <input type="checkbox"/> TAPADA/P.TAPADA | <input type="checkbox"/> NO EXISTE / ROTA | <input type="checkbox"/> ND NIVELADO |
| 2- ESTRUCTURA | <input type="checkbox"/> LIMPIA/SUCIA | <input checked="" type="checkbox"/> TAPADA/P.TAPADA | <input type="checkbox"/> ROTO | <input type="checkbox"/> NO NIVELADO |
| 3- ESCALERAS | <input type="checkbox"/> BUENA | <input type="checkbox"/> MALA | <input checked="" type="checkbox"/> NO EXISTE / ROTA | <input type="checkbox"/> COLAPSADA |
| 4- TUBO/B.C. = <u>12"</u> entrad | <input type="checkbox"/> LIMPIA | <input checked="" type="checkbox"/> TAPADA | <input type="checkbox"/> ROTO | <input type="checkbox"/> COLAPSADA |
| 5- TUBO/B.C. = <u>12"</u> enbado | <input type="checkbox"/> LIMPIA | <input checked="" type="checkbox"/> TAPADA | <input type="checkbox"/> ROTO | <input type="checkbox"/> COLAPSADA |
| 6- TUBO/B.C. = | <input type="checkbox"/> LIMPIA | <input type="checkbox"/> TAPADA | <input type="checkbox"/> ROTO | <input type="checkbox"/> COLAPSADA |
| 7- TUBO/B.C. = <u>18"</u> Salida | <input type="checkbox"/> LIMPIA | <input type="checkbox"/> TAPADA | <input type="checkbox"/> ROTO | <input type="checkbox"/> COLAPSADA |
| 8- CUNETA | <input type="checkbox"/> LIMPIA/SUCIA | <input type="checkbox"/> MALA | <input type="checkbox"/> NO DRENA | <input type="checkbox"/> OTROS |
| 9-ZONA INUNDABLE (FEMA) | <input type="checkbox"/> SI | <input type="checkbox"/> NO | | |
| 10-AREA INUNDABLE (NO FEMA) | <input type="checkbox"/> SI | <input type="checkbox"/> NO | | |

DESCRIPCION DEL PROBLEMA:

H4 parcialmente lleno de tierra. : h=34" hasta tierra.
-tubo de salida 18" y tapado.



RECOMENDACION: ACCION INMEDIATA ACCION INTERMEDIA LARGO PLAZO

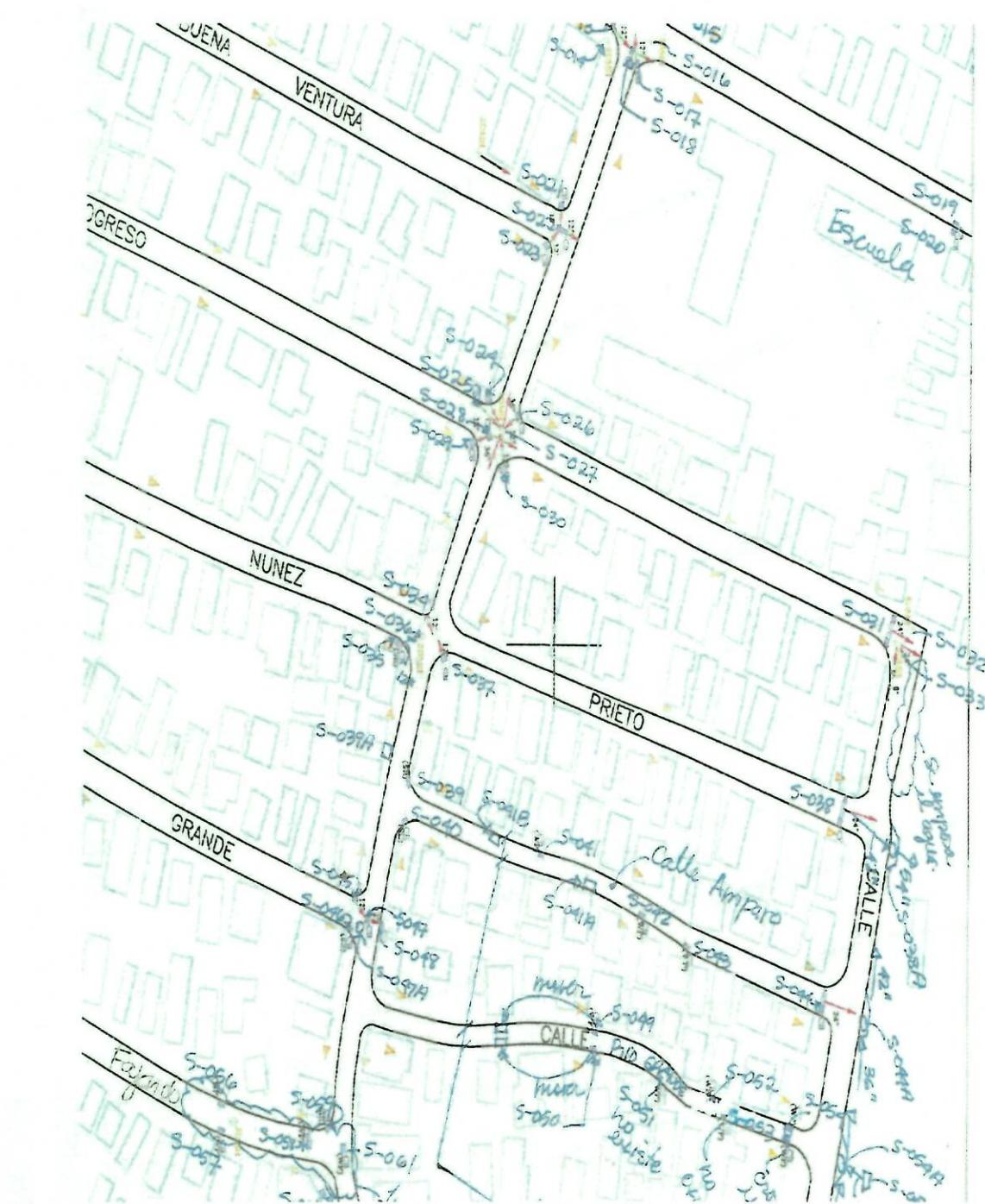
PRIMERA VISITA LIMPIEZA, DESATAPAR

SEGUNDA VISITA SE REQUIERE SEGUNDA VISITA

Acción en media: limpiar d. M. 1003. u los tubos
que quedan en el.

RECON INSPECTION - ATTACHMENT 4a Cont'd

K7a Villa Palmeras – Recon Inspection Attachment 4b



**RECON
INSPECTION –
ATTACHMENT 4b
Cont'd**

PRASA Sewer Map Calle Henna and Nunez Prieto



K7a-S039a Villa Palmeras – Calle Henna, Calle Amparo



PROYECTO: ESTUDIO INUNDACIONES MUNICIPIO SAN JUAN
FECHA: 11/Agosto/09 HOJA 42 de 73

BRIGADA: No.1

DISTRITO/REGION	CUADRILLA	ESTRUCTURA NO.	BARRIO
1	K7A	S-039A	SANTO VIEJO

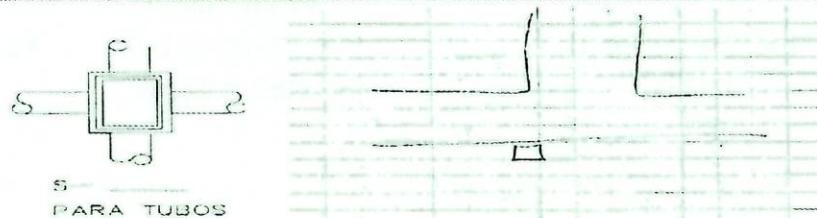
SECTOR	VILLA PALMERAS
CALLE / UBICACION:	C. HENNA INT. CON CALLEJON DESCONOCIDO DUE ESTA PARALELO A C. NUNO PRIETO Y C. AMPARO

TIPO ESTRUCTURA: CURB INLET CATCH BASIN MH HW CROSS INLET COMBINADO OTROS
 Simple 1/4 Sanitario/ Pluvial
 Doble 1/2 Pluvial/ Sanitario
 Triple Completo

CONDICION EXISTENTE:

1- PARRILLA	<input type="checkbox"/> LIMPIA/SUCIA	<input type="checkbox"/> TAPADA/P.TAPADA	<input type="checkbox"/> NO EXISTE / ROTA	<input type="checkbox"/> NO NIVELADO
2- ESTRUCTURA	<input checked="" type="checkbox"/> LIMPIA/SUCIA	<input type="checkbox"/> TAPADA/P.TAPADA	<input type="checkbox"/> ROTO	<input type="checkbox"/> NO NIVELADO
3- ESCALERAS	<input type="checkbox"/> BUENA	<input type="checkbox"/> MALA	<input type="checkbox"/> ROTO	<input type="checkbox"/> COLAPSADA
4- TUBO/B.C.	<input type="checkbox"/> LIMPIA	<input type="checkbox"/> TAPADA	<input type="checkbox"/> ROTO	<input type="checkbox"/> COLAPSADA
5- TUBO/B.C.	<input type="checkbox"/> LIMPIA	<input type="checkbox"/> TAPADA	<input type="checkbox"/> ROTO	<input type="checkbox"/> COLAPSADA
6- TUBO/B.C.	<input type="checkbox"/> LIMPIA	<input type="checkbox"/> TAPADA	<input type="checkbox"/> ROTO	<input type="checkbox"/> COLAPSADA
7- TUBO/B.C.	<input type="checkbox"/> LIMPIA	<input type="checkbox"/> TAPADA	<input type="checkbox"/> ROTO	<input type="checkbox"/> OTROS
8- CUNETA	<input type="checkbox"/> LIMPIA/SUCIA	<input type="checkbox"/> MAIA	<input type="checkbox"/> NO DRENA	
9- ZONA INUNDABLE (FEMA)	<input type="checkbox"/> SI	<input type="checkbox"/> NO		
10- AREA INUNDABLE (NO FEMA)	<input type="checkbox"/> SI	<input type="checkbox"/> NO		

DESCRIPCION DEL PROBLEMA: PARRILLA DETERIORADA REPRESENTA UN PELIGRO PARA LOS VECINOS EN LA CALLEZA EN EL AREA DE LA ACERA Parce ester
en el callejón



- Parr. pesada
 - Parr. Sellada
 - Punto alto
 - Punto bajo
 - En pendiente
- FLUYE HACIA S- _____
- FOTO NO. 106
 FOTO NO. 107
 FOTO NO. 108

RECOMENDACION:

- PRIMERA VISITA
- LIMPIEZA/DESTAPAR
- SE REQUIERE SEGUNDA VISITA

ACCION INMEDIATA

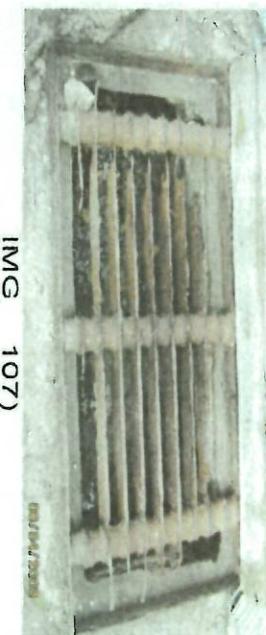
- LIMPIEZA/DESTAPAR
- SE REQUIERE SEGUNDA VISITA

ACCION INTERMEDIA

LARGO PLAZO

- 1) Acción a largo plazo sacar esa estructura de ese lugar y relocalizarla.
- 2) Declaración de la autoridad que controla el

RECON INSPECTION – ATTACHMENT 4b Cont'd



IMG 107



IMG 106

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RECON INSPECTION – ATTACHMENT 4b Cont'd

Calle Henna Int. Calle Núñez Prieto

Estructuras sucias. Las estructuras K7aS-035 y K7aS-038 pueden estar combinadas con el sistema sanitario ya que expiden un fuerte olor séptico.

Calle Henna / Callejón Amparo

Estructuras sucias. La estructura K7aS-039A tiene la parilla deteriorada, puede estar combinado con el sanitario expide mal olor.

K7a

S-041, S-041A, S-041B, S042, S-043 y S-044

Callejón Amparo

Estructuras parcialmente tapadas y/o sucias. A lo largo de todo el callejón el sistema sanitario parece estar descargando en el pluvial.

Acción Inmediata: Limpiar y destapar las estructuras y sus conexiones.

Acción Intermedia: Se necesita identificar si efectivamente tiene descarga sanitaria. Se requerirá desconectar del pluvial y diseñar una línea que a su vez se conecte al sanitario disponible. Se necesita realizar los trámites necesarios para la construcción y conexión.

(Throughout all the alley the sanitary system appears to be discharged into the storm sewer

7/28/2009	J6d	S-006	RECON INSPECTION – ATTACHMENT 4b Cont'd
Calle Degetau Int. Marginal Baldorioty		arriba.	Tapa de manhole sobre sistema pluvial de la Baldorioty. Estructura grande y profunda aprox. 25 a 30 pies, se observa flujo fuerte. También se detecto un fuerte olor a gasolina, existe una estación de gasolina al frente del mismo.
Acción Inmediata: Posible contaminación, alertar a las autoridades pertinentes.			E
J7a	S-037	Calle Barbosa Int. Calle Manuel Corchado	Estructura con basura y sedimento en el fondo, tiene flujo constante de agua limpia. Se detecto aguas arriba posible conexión ilegal de un laundry o car wash localizados en la Ave. Eduardo Conde.
I7a	S-042	Calle Santa Cecilia Int. Calle Barbosa	Estructura limpia con flujo constante de agua limpia. Se detecto aguas arriba posible conexión ilegal de un laundry o car wash localizados en la Ave. Eduardo Conde. Tiene las escaleras rotas.

